

**DEPARTMENT OF
OBSTETRICS AND GYNECOLOGY**
Annual Report for July 1, 2016 – June 30, 2017



University of Rochester
School of Medicine and Dentistry

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

**UNIVERSITY OF ROCHESTER
SCHOOL OF MEDICINE AND DENTISTRY**

**Eva K. Pressman, M.D.
Professor and Chair**

ANNUAL REPORT

for the period

July 1, 2016 - June 30, 2017

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MESSAGE FROM THE CHAIR



Eva K. Pressman, M.D.
*Henry A. Thiede Professor and Chair
Department of Obstetrics and Gynecology*

As another academic year comes to a close, it is always enlightening to reflect on the accomplishments and challenges that have faced the department. In 2016-17, the Department of Obstetrics and Gynecology has continued its longstanding tradition of delivering the best, evidenced based care available to the women of Western New York, providing educational opportunities at all levels of medical education and pushing the boundaries of research in women's health. Working with the other departments of the University of Rochester, we strive to be a leader in patient care, innovative research and obstetric and gynecologic education while promoting excellence in all areas that support women's health.

Our faculty continues to grow with 57 full time physicians, 14 midwives, 13 nurse practitioners, 3 genetic counselors, 6 fellows, 32 residents, 12 PhD's and 121 community affiliated providers practicing at Strong Memorial, Highland, Thompson, Noyes and Jones Memorial Hospitals. In addition to seeing more than 130,000 outpatient visits and performing over 6000 surgical procedures and 6000 deliveries, our faculty have published 60 peer-reviewed articles, presented 60 talks and posters at national and international meetings, and secured 20 new grants bringing the total funded projects in Obstetrics and Gynecology to 71 with a total of \$16.7 million in committed funding.

Highlights of this year include:

- Recruitment of Drs. Malshe, Drennan and Ho in Maternal Fetal Medicine
- Recruitment of Megan Hogan Roy and Julana Spaulding in Midwifery
- Recruitment of Diana Bailey in Reproductive Genetics
- Establishment of UR Medicine Lactations Services and the recruitment of Dr. Casey Rosen-Carole
- Opening of the multidisciplinary UR Medicine Adult Pelvic Health & Continence Care

Current plans for expansion of services include a formalized program in Pelvic and Vulvar Pain with the addition of physical therapy, acupuncture and behavioral health support. This program will provide both much needed clinical services to the community and region and also allow opportunities in outcomes research.

On the regional front, Maternal Fetal Medicine continues to expand its coverage of OB/Gyn ultrasound and high risk consultations to several additional hospitals in Central and Western New York. In addition to adding imaging services in Dansville and Auburn, plans are underway for coverage at Mercy Hospital in Buffalo. Telemedicine opportunities are also planned in Maternal Fetal Medicine, Reproductive Endocrinology, Gynecology, Gynecologic Oncology and Urogynecology to allow patients throughout the region to have better access to University services in their own home towns.

We also have had some transitions in the past year and anticipate some for the upcoming academic year. Dr. Lioudmila Lipetskaia took a new position at Cooper University in NJ and Dr. Dzhamala Gilmandyar relocated to Meridien Health in Hackensack, NJ this past spring. Dr. Gunhilde Buchsbaum will be retiring in December and Dr. Erin Duecy will take over as the Director of Pelvic Health and Continence Specialties. Rebecca Skovgaard retired last fall. Dr. Jorge Carrillo has taken a new position at the VA Hospital in Orlando, FL and Dr. Brittany Paivanas is relocating to St. Agnes Hospital in Baltimore, MD.

New faculty will be joining in Maternal Fetal Medicine (Drs. Courtney Olson Chen and Ahmed Ibrahim Ahmed), Minimally Invasive Gynecology (Dr. Jil Johnson), Midwifery (Sarah Ludlow Jensen and Holly Pranaat), and Highland OB/Gyn (Drs. Kara Repich, Sheena Stanard, Xiao Qian Yu and Carole Peterson). Dr. Amy Harrington has been appointed as the new OB/Gyn Residency Program Director and Dr. Courtney Olson Chen as the Associate Program Director.

I am proud to lead such a caring and accomplished department and look forward to all we will do together in the coming years.

LISTING OF FACULTY

FULL-TIME FACULTY

Chair

Associate Chair for Academic Affairs

Associate Chair for Clinical Affairs

Associate Chair for Education

Associate Chair for Research

Eva K. Pressman, M.D.

Kathleen M. Hoeger, M.D., M.P.H.

Adrienne D. Bonham, M.D.

Erin E. Duecy, M.D. (through 6/30/17)

Amy Harrington, M.D. (effective 7/1/17)

Timothy De Ver Dye, Ph.D.

Professor

Cynthia L. Angel, M.D.

Balasubramanian Bhagavath, M.D. (effective 10/1/17)

Timothy De Ver Dye, Ph.D.

Brent DuBeshter, M.D.

J. Christopher Glantz, M.D., M.P.H.

Diane M. Hartmann, M.D.

Kathleen M. Hoeger, M.D., M.P.H.

Vivian Lewis, M.D.

Richard K. Miller, Ph.D.

Richard G. Moore, M.D.

Eva K. Pressman, M.D.

John T. Queenan, Jr., M.D.

Ruth Anne Queenan, M.D., M.B.A.

Joseph J. Scibetta, M.D.

James R. Woods, Jr., M.D.

James R. Woods, Jr. Professor

Loralei L. Thornburg, M.D.

Professor Emeritus

Marvin S. Amstey, M.D.

Gunhilde Buchsbaum, M.D. (effective 1/1/18)

Elizabeth M. Cooper, C.N.M., Ed.D.

Constantino Fernandez, M.D.

David C. Foster, M.D., M.P.H.

Henry M. Hess, M.D., Ph.D. (effective 1/1/17)

Fred M. Howard, Jr., M.D.

Anthony H. Labrum, M.D.

Morton W. Miller, Ph.D.

Robert C. Tatelbaum, M.D.

Henry A. Thiede, M.D.

Adjunct Professor

Marie A. Caudill, Ph.D., R.D.
Kimberly O. O'Brien, Ph.D.

Associate Professor

Amy R. Benjamin, M.D. (effective 7/1/17)
Sarah J. Betstadt, M.D., M.P.H.
Adrienne D. Bonham, M.D.
Erin E. Duecy, M.D.
Amy R. Harrington, M.D. (effective 2/1/17)
Monique Ho, M.D. (effective 1/17/2017)
Shawn P. Murphy, Ph.D.
Katrina F. Nicandri, M.D.
Colby A.H. Previte, M.D.
Deborah M. Rib, M.D.
David E. Seubert, M.D., J.D.
Rajesh K. Srivastava, Ph.D.
Sajeena G. Thomas, M.D. (effective 9/1/17)
Loralei L. Thornburg, M.D.
Wendy S. Vitek, M.D. (effective 10/1/17)

Research Associate Professor

Rakesh K. Singh, Ph.D., MPhil
Christopher J. Stodgell, Ph.D.
Ronald W. Wood, Ph.D.

Adjunct Associate Professor

Emily S. Barrett, Ph.D. (change in appointment effective 10/10/16)
Carmen Milagros Velez Vega, Ph.D., M.S.W.

Assistant Professor

Kristen E. Burhans, M.D.
Jorge F. Carrillo, M.D. (terminated 6/30/17)
Paula J. Doyle, M.D.
Kathryn J. Drennan, M.D. (effective 1/9/2017)
Dzhamala Gilmandyar, M.D. (terminated 5/31/17)
Lisa M. Gray, M.D.
Marwa Ibrahim, M.D.
Jil M. Johnson, D.O. (effective 11/1/17)
Mitchell A. Linder, M.D.
Lioudmila V. Lipetskaia, M.D. (terminated 3/31/17)
Mary Ma, M.D.
Amol K. Malshe, M.D.
Erin M. Masaba, M.D.
Jaclyn E. Morrison, M.D.
Jacqueline T. Nasso, C.N.M., M.S.

Courtney Olson-Chen, M.D. (effective 7/1/17)
Brittany M. Paivanas, M.D. (terminated 6/16/17)
Carole J. Peterson, M.D. (effective 10/1/17)
Sraddha S. Prativadi, M.D.
Neil S. Seligman, M.D.
Rebecca L. Skovgaard, C.N.M., M.S.
Sheena M. Stanard, M.D. (effective 10/1/17)
Emily Thompson Carrillo, M.D.
Ellen J. Tourtelot, M.D.
Natalie S. Whaley, M.D.

Research Assistant Professor

Cabiria M. Barbosu, M.D., Ph.D., M.B.A. (effective 11/16/2017)
Brooke A. Levandowski, Ph.D. (effective 5/24/17)
Kyu Kwang Kim, Ph.D.
Jay Reeder, Ph.D.
Richard W. Stahlhut, M.D., M.P.H. (terminated 12/31/2017)

Adjunct Assistant Professor

Thomas J. Guttuso, M.D.
Jani E. Lewis, Ph.D.

Instructor

Ivelisse Rivera, M.D.
Xiaoqian Yu, D.O., M.P.H. (effective 8/21/17)
Kara R. Repich, M.D. (effective 8/17/17)

Adjunct Instructor

Arthur M. Dee, M.S.

Fellow

Elizabeth A. Fountaine, M.D. (effective 7/1/17)
Stefanie J. Hollenbach, M.D. (effective 7/1/17)
Toy Gee (Annie) Lee, M.D.
Heather M. Link, M.D.
Yolianne A. Lozada Capriles, M.D.
Tara A. Lynch, M.D.
Lauren A. Miller, M.D., M.P.H.
Derrick Sanderson, M.D. (effective 7/1/17)

Senior Associate

Michele L. Burtner, C.N.M., M.S.

Associate

Sheila A. Geen, C.N.M., M.S.N.
Pamela Jurich Wright, C.N.M., M.S.
Heather R. Lane, C.N.M., M.S.
C. Jeanne Peterson, M.S.
Shrenik Shah, M.S.
Helene M. Thompson-Scott, C.N.M., M.S.
Jo A. Wrona, C.N.M., M.S.

Clinical Associate

Tammy L. Farnham, C.N.M., M.S.

Assistant

Diana J. Bailey, M.S., C.G.C. (effective 4/24/17)
Alexis L. Gee, C.N.M., M.S.
Megan Hogan-Roy, C.N.M., M.S. (appointment effective 11/1/16)
Sarah L. Jensen, C.N.M., M.S. (effective 8/21/17)
Stephanie C. Laniewski, M.S.
Caitlin Phillips LeGros, C.N.M., M.S.
Melinda A.S. Pisaro, C.N.M., M.S.
Holly L. Pranaat, C.N.M., M.S. (effective 8/1/17)
Julana M. Spaulding, B.S.N., M.N., C.N.M. (effective 2/1/2017)
Jenney A. Stringer, C.N.M., M.S.

FULL-TIME FACULTY WITH SECONDARY APPOINTMENT IN OBSTETRICS AND GYNECOLOGY

Linda H. Chaudron, M.D., M.S.
Professor Psychiatry, Obstetrics and Gynecology and Pediatrics
Associate Vice President and Senior Associate Dean for Inclusion and Culture Development

Margaret M. Demment, Ph.D. (terminated 8/31/17)
Senior Project Research Associate Clinical and Translational Science Institute and Instructor,
Obstetrics and Gynecology

Steven H. Eisinger, M.D.
Clinical Professor Family Medicine and Obstetrics and Gynecology

Katherine B. Greenberg, M.D.
Assistant Professor Pediatrics (Adolescent) and Obstetrics and Gynecology

Kathleen D. Holt, Ph.D.
Staff Scientist Clinical and Translational Science Institute and Senior Instructor, Obstetrics and
Gynecology and Public Health

Donna A. Kreher, Ph.D. (effective 8/16/17)
Assistant Professor (part-time) of Psychology and Obstetrics and Gynecology

Ruth A. Lawrence, M.D.
Professor Pediatrics and Obstetrics and Gynecology

Dongmei Li, Ph.D.
Associate Professor of Clinical and Translational Science Institute and Obstetrics and Gynecology

Mary Gail Mercurio, M.D.
Professor Dermatology and Obstetrics and Gynecology

Melissa A. Mroz, M.D.
Assistant Professor Medicine and Obstetrics and Gynecology

Rachael H. Phelps, M.D.
Clinical Instructor Pediatrics and Obstetrics and Gynecology

Richard P. Phipps, Ph.D.
Professor Environmental Medicine, Pediatrics, Microbiology and Immunology, Obstetrics and Gynecology, Ophthalmology and of Pathology and Laboratory Medicine

Ellen L. Poleshuck, Ph.D.
Associate Professor Psychiatry (Psychology), Family Medicine and Obstetrics and Gynecology

Casey B. Rosen-Carole, M.D., M.P.H.
Assistant Professor Pediatrics (Neonatology) and Obstetrics and Gynecology

Shannon M. Smith, Ph.D. (effective 7/1/17)
Assistant Professor of Anesthesiology Research, Obstetrics and Gynecology and Psychiatry

Gareth J.W. Warren, M.S. MSc
Assistant Professor of Urology and Obstetrics and Gynecology

Miriam T. Weber, Ph.D.
Associate Professor Neurology, Obstetrics and Gynecology and Cognitive Behavioral Neurology

Richard N. Wissler, M.D., Ph.D.
Professor Anesthesiology and Obstetrics and Gynecology

Amanat M. Yosha, M.D., M.P.H.
Instructor of Clinical Family Medicine and Obstetrics and Gynecology

CLINICAL FACULTY AT STRONG MEMORIAL HOSPITAL

Clinical Professor

Jeffrey R. Fichter, M.D.
David L. Gandell, M.D.
Stephan R. Sanko, M.D.

Clinical Professor Emeritus

W. Patrick Bernal, M.D.
Richard E. Fullerton, M.D.
Peter L. Kogut, M.D.
Robert A. Stookey, M.D.
Elizabeth D. Warner, M.D.

Clinical Associate Professor

Diane M. Cunningham, M.D.
Karen M. Duguid, M.D.
Dianne M. Edgar, M.D.
William J. Harvey, M.D.
Uma M. Penmetsa, M.D.
Georgette J. Pulli, M.D.

Clinical Assistant Professor

Mary E. Ciranni-Callon, D.O.
Nancy E. McKnight, M.D.
Julie C. Sandruck, M.D.
Marit B. Sheffield, M.D.

Clinical Senior Instructor

Beth M. Cerrito, Ph.D.

Clinical Instructor

Corrie P. Anderson, D.O.
Melissa A. Gunter, M.D.
Amy H. MacDonald, M.D.

CLINICAL FACULTY AT HIGHLAND, ROCHESTER GENERAL AND OTHER AREA HOSPITALS

Clinical Professor Emeritus

Gerard T. Guerinot, M.D.
Mark S. Levine, M.D.
Victor A. Poleshuck, M.D.

Clinical Associate Professor

Richard C. Cherkis, M.D. (retired 12/31/16)
Rita A. Clement, M.D.
Marc H. Eigg, M.D.
Jacquelyn Cullen Howitt, M.D.
Albert P. Jones, Jr., M.D.
Rahul Laroia, M.D.

Coral L. Surgeon, M.D.
Derek J. tenHoopen, M.D.
Eugene P. Toy, M.D.
Raphael Tshibangu, M.D.
Morris Wortman, M.D.

Clinical Assistant Professor

Laureen A. Burke, M.D.
Jane K. Doebelin, M.D.
Daniel W. Grace, M.D.
Marc S. Greenstein, D.O.
Rosalind A. Hayes, M.D.
Waldemar Klimek, D.O.
Oona Lim, M.D.
Mohamad S. Mahmoud, M.D.
Elizabeth D. Morningstar, M.D.
Marcy C. Mulconry, M.D.
Edward B. Ogden, M.D.
Leslie E. Purnell, M.D.
Muhammad S. Tariq Qureshi, M.D.
G. Theodore Ruckert, IV, M.D.
Earlando O. Thomas, M.D.
Madonna R. Tomani, M.D.
Maggie D. Vill, M.D.
Mary M. Wilsch, M.D.

Clinical Instructor

Rehan B. Asif, M.D.
Anna Barbi, D.O.
Jeroo Bharucha, M.D.
M. Elizabeth Bostock, M.D.
Jennifer Brown-Broderick, M.D. (effective 1/1/17)
J. Steven Burkhardt, M.D.
Paul A. Cabral, M.D.
Michelle L. Chin, M.D.
Benjamin R. Christensen, M.D.
Tripta Dass, M.D.
Tamara E. DiNolfo, M.D.
Wendy M. Dwyer-Albano, M.D.
Benjamin P. Fiorica, M.D.
Heather B. Florescue, M.D.
Katina M. Foster, M.D.
Miranda Harris-Glocker, M.D.
Kelly A. Herron, M.D.
Michelle M. Herron, M.D.
Haldipur V. Janardhan, M.D.
M. Jamil Mroueh, M.D.
M. Raymond Naassana, M.D.
Johann Piquion Joseph, M.D., M.P.H.

Kathleen Robischon, M.D.
Gustave T. Ruckert, D.O.
Maureen R. Slattery, M.D.
Amy E. Smith, M.D.
Katherine Stouter Lammers, M.D.
Samuel E. Tripp, M.D.
Megan B. Vaules, M.D.
Catalina M. Vial, M.D.
Amanda J. Victory, M.D.

Clinical Associate

Joan S. Brenner, C.N.M., M.S.
Catherine A. Burke, C.N.M., M.S.N.
Sandra A. Houle, C.N.M., M.S.
Mary Jo Spallina, C.N.M., M.S.

Clinical Assistant

Marilyn S. Brooks, R.N.C., M.S.N., C.N.M.
Rosemary L. Janofsky, M.S.N., C.N.M.
Martha D. Thompson, M.S.N., C.N.M., W.H.N.P.
Heidi L. Zielinski, C.N.M., M.S.

OBSTETRICS AND GYNECOLOGY HOUSESTAFF

OUTGOING CHIEF RESIDENTS

Whitney Archibald MD
Franciscan Women's Health
Associates
16045 1st Avenue South,
2nd Floor
Burien, WA 98148

Beatriz Folch Torres-Aguilar, MD, MS
FHCSO Logan Heights
1809 National Avenue
San Diego, California 92113

Tessa Reisinger, MD
Canandaigua Medical Group
335 Parrish Street
Canandaigua, NY 14424

Elizabeth Bard MD
Essentia Health – Duluth Clinic
400 E. 3rd Street
Duluth, MN 55805

Ethan Gable, MD
Jericho Reed Community Health Center
184 Barton Street
Buffalo, NY 14213

Daniel Terk, MD
Montachusets Women's Health/
UMass Health Alliance Hospital
100 Hospital Road
Leominster, MA 01453

Lauren Coyle, MD
Alta View Women's Center
9660 1300 E.
Sandy, UT 84094

Stefanie Hollenbach, MD, MS
Maternal Fetal Medicine Fellowship
University of Rochester Medical Center
Obstetrics and Gynecology
601 Elmwood Avenue, Box 668
Rochester, NY 14642

PGY4 (2016/2017)

Jennifer Black, MD
Sheila Flaum, DO
Jennifer Leone, MD

Haley Meyer, MD
Jessica Mitchell, MD, MSc
Laura Pekman, MD

Mary Towner, MD
Ferdous Zannat, MD

PGY3 (2016/2017)

Katherine Congelosi, MD
Alecia Fields, DO
Laura Hanks, MD

Olivia Higgins, MD
Alexis Pilato, MD
Rachelle St. Onge, MD

Marika Toscano, MD
Phoebe Whalen, MD

PGY2 (2016/2017)

Jillian Dodge, DO
Matthew Gevelinger, MD
Katrina Heyrana, MD, PhD

Danielle Krueger, MD
Rachel O'Connell, MD
Erin Scott, MD, PhD

Arti Ajmani Taggar, MD, MPH
Elizabeth Whinston, MD, PhD

INTERNS (2016/2017)

Tiffany Abreu, MD
Alexandra Blackman, MD
Katelyn Carey, MD, MPH

Cheryl Chu, MD
Elizabeth Porcellio, MD
Victoria Quimpo Moretti, MD

Katherine Rogg, MD
Alexandra Samborski, MD

FACULTY ACTIVITIES

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2016 - June 30, 2017

ADMINISTRATIVE ACTIVITIES

Cynthia L. Angel, M.D.

Hospital and Medical School

1. East 5 Gynecologic Clinical Service Quality Committee
2. JACHO GYN ONC Disease Specific Committee Member at Highland Hospital
3. East 5 Re-Admission Committee
4. GYN Morbidity/Mortality Committee
5. GYN ONC Certification Committee

National

1. Chairman of the Board at Cancer Wellness Connections.

Emily S. Barrett, Ph.D.

Editorial boards

1. Fertility and Sterility
2. Hormones and Behavior

Amy R. Benjamin, M.D.

Hospital and Medical School

1. Electronic Consent Committee
2. Minimally Invasive Gynecologic Surgery Steering Committee
3. Robotic Surgery Steering Committee
4. Chair, Gynecology Service OR Committee
5. OR Quality Assurance Committee

National

1. Board of Directors, International Pelvic Pain Society
2. International Pelvic Pain Society 2016 Annual Meeting Program Committee, Roundtable Session Committee
3. Patient Education Committee, International Pelvic Pain Society

Sarah J. Betstadt, M.D., M.P.H.

Hospital and Medical School

1. Pediatric Chair search committee for Golisano Children's Hospital
2. URMC Medical School Admissions Committee

Editorial Boards:

1. Reviewer for Contraception

Balasubramanian Bhagavath, M.B.B.S.

Hospital and Medical School

1. Liaison Committee on Medical Education (LCME)
2. Simulation Steering Committee
3. Chair, Minimally Invasive Gynecologic Surgery Steering Committee

Editorial Boards:

1. Newsletter Society of Reproductive Surgeons
2. Obstetrics and Gynecology
3. Fertility and Sterility
4. American Journal of Obstetrics and Gynecology
5. Journal of Minimally Invasive Gynecology
6. NAMS Menopause Care Updates
7. Public Library of Science

National/International

1. Society of Reproductive Surgeons Committee
2. EMIG cognitive Exam Review Committee, AAGL
3. Fellowship Education Committee, FMIGS
4. Curriculum Standardization Committee, FMIGS
5. ASRM Coding Committee
6. Society of Reproductive Surgeons Secretary/Treasurer
7. ACOG RUC Team Member
8. Coding Committee, AAGL
9. ASRM Video Committee
10. COEMIG Review Committee
11. AAGL Standards Committee

Adrienne D. Bonham, M.D., M.S.

Hospital and Medical School

1. Perioperative Services ICare Guiding Coalition
2. University of Rochester Medical Center Committee on Diversity
3. Complications Integration Team, Strong Memorial Hospital
4. Unit Based Performance Program, Birth Center,
5. Ob/Gyn Resident Selection Committee
6. Advisory Committee on Education

Gunhilde Marianne Buchsbaum, M.D., M.B.A.

Hospital and Medical School

1. Ad hoc faculty promotion committees
2. MEDSAC Steering Committee
3. Strong Memorial Hospital Robotic Surgery Committee
4. Department Leadership Committee

Kristen E. Burhans, M.D.

Hospital and Medical School

1. OB/GYN Simulation Steering Committee
2. Clinical Competency Committee

3. Advisory Committee on Education
4. MCIC OB Physician Facilitator

Michele L. Burtner, M.S.

Hospital and Medical School

1. Medical Staff Credentials Committee - SMH & HH
2. Highland Hospital Breastfeeding Committee
3. Division scheduler

Paula J. Doyle, M.D.

Hospital and Medical School

1. Scientific Member of the Research Subjects Review Board
2. Clinical Competency Committee for Urogynecology
3. Annual Urogynecology Fellowship Evaluation Committee

National

1. Society of Gynecologic Surgeons Systematic Review Group

Kathryn J. Drennan, M.D.

Hospital and Medical School

1. Director of 3-1200
2. Perinatal Morbidity and Mortality Committee
3. Prenatal Diagnosis Committee

Brent DuBeshter, M.D.

Hospital and Medical School

1. Cancer Center Clinical Advisory Committee
2. Cancer Center Oncology Therapeutics Committee James P Wilmot Cancer Center
3. Quality Assurance Highland Hospital
4. Medical Policy Committee, Excellus

National

1. Taskforce on Coding and Reimbursement, Society of Gynecologic

Editorial Boards

2. Obstetrics & Gynecology
3. Gynecologic Oncology
4. Gynecologic Oncology Reports
5. International Journal of Gynecologic Cancer
6. European Journal of Surgical Oncology
7. Cancer Cytopathology
8. Cancer Detection and Prevention
9. Journal of the American College of Surgeons
10. Int J Cancer
11. Hospital Pharmacy

Erin E. Duecy, M.D.

Hospital and Medical School

1. GMEC Sub-Committee on Resident Wellness during the Academic Disciplinary Process: Policy development.
2. Accountable Health Partners Specialist Advisory Committee
3. Wellness Strategic Planning Work Group, URM C Physician Wellness Committee
4. Promotions Committee Evaluator Small group evaluation of promotion applications for URM C faculty.
5. Graduate Medical Education Subcommittee for Program Review
6. Graduate Medical Education Committee (GMEC)
7. OB-GYN Education & Nursing Liaison Committee Quarterly meeting with OB-GYN nursing leadership to discuss & optimize trainee-nursing interactions, policies, and safety issues.
8. OB-GYN Simulation Steering Committee.
9. OB-GYN Safety Rounds Committee
10. OB-GYN Clinical Competence Committee.
11. Urogynecology Clinical Competence Committee.
12. Departmental Leadership Committee
13. Chair, Advisory Committee on OB-GYN Education (ACE)

Timothy De Ver Dye, Ph.D.

International

1. Committee on Data for Science and Technology (CODATA) International Council for Science (ICSU) Paris, France
2. Chair, Medical Advisory Board OneHEART World-Wide San Francisco, California
3. Representative, Expert Group on Human Biology and Medicine SCAR: Scientific Committee on Antarctic Research

Editorial Boards:

1. Editor-in-Chief, Maternal and Child Health Journal
2. Editorial Boards of The Data Science Journal, and MEDICC- Medical Exchange in Cuba Review

Elizabeth A. Fontaine, M.D.

Hospital and Medical School

1. Perinatal Morbidity and Mortality Committee
2. Prenatal Diagnosis Committee

Alexis L. Gee, M.S.N.

Hospital and Medical School

1. Perinatal Review Committee

J. Christopher Glantz, M.D., M.P.H.

Hospital and Medical School

1. Patient Safety and Risk Management Committee
2. Interviewer, Medical School Admission
3. Perinatal Morbidity and Mortality Committee

National

1. Center for Disease Control and Prevention State-Based Perinatal Quality Collaboratives
2. ACOG Safe Motherhood Initiative
3. March of Dimes "Big 5" State Perinatal Collaborative
4. New York State Obstetrics/Neonatal Quality Consortium
5. American Board of OBGYN, Oral Examiner for General OBGYN Board Exam
6. Medical Director, Statewide Perinatal Data System (SPDS)

Editorial Boards:

1. Birth
2. Strong PeriFACTS

Lisa M. Gray, M.D.

Hospital and Medical School

1. DSRIP (Delivery System Reform Incentive Payment) Maternal/Child Health Project. Interdisciplinary team charged with developing and championing a plan for UR Medicine to address the DSRIP outcome measures in maternal/child health.
2. Prenatal Diagnosis Committee. Multidisciplinary committee responsible for discussion and planning regarding fetal complications diagnosed in-utero.
3. SMH Perinatal Morbidity and Mortality Committee. Multidisciplinary committee that reviews cases of perinatal death to improve care delivery and outcomes in perinatal care.

Amy Harrington, M.D.

Hospital and Medical School

1. Maternal Fetal Medicine, Competency Committee
2. Maternal Fetal Medicine, Program Evaluation Committee
3. Simulation Steering Committee
4. Chair, Obstetrics & Gynecology Resident Competency Committee

Diane Marie Hartmann, M.D.

Hospital and Medical School

1. Chair Graduate Medical Education Committee

National

1. ACGME Clinical Learning Environment Review Committee
2. Invited Member AAMC Advisory Panel on Medical Education
3. Chair "Road to Maintaining Excellence" Program, Office Practice Section American College of Obstetrics and Gynecology
4. Design Team Member GME Leadership Development Course American Association of Medical Colleges

5. Advisory Board Member UPDATE: Continuing Education for the Obstetrician/Gynecologist American College of Obstetrics and Gynecology
6. Faculty Program Directors' School Council on Resident Education in Obstetrics and Gynecology
7. Examiner Oral Board American Board of Obstetrics and Gynecology

Monique Ho, M.D.

Hospital and Medical School

1. Director of Reproductive Genetics
2. Director of Regional Maternal Fetal Medicine Services
3. Acting OB/GYN Representative, Hospital Laboratory Diagnostics Committee
4. Chair, OB/GYN subcommittee, Laboratory Diagnostics Committee
5. Chair, Prenatal Diagnosis Committee
6. Perinatal Morbidity and Mortality Committee
7. Lab and Path Medicine Maternal Screening Group

Kathleen M. Hoeger, M.D., M.P.H.

Hospital and Medical School

1. Medical Faculty Council
2. Human Stem Cell Research Oversight Committee
3. Advisory Committee on Education

National

1. Consultant for The US Food and Drug Administration (FDA) Bone, Reproductive and Urologic Drugs Advisory Committee (BRUDAC)
2. Endocrine society Clinical practice guidelines committee for PCOS

Editorial Boards

1. Journal of Clinical Endocrinology and Metabolism
2. Obstetrical & Gynecological Survey
3. Fertility & Sterility
4. Ad hoc reviewer for: Journal of Clinical Endocrinology & Metabolism -
5. Ad hoc Reviewer for: Human Reproduction
6. Ad hoc Reviewer for: Clinical Endocrinology
7. Ad hoc Reviewer for: Endocrinology
8. Ad hoc Reviewer for: Diabetes Research and Clinical Practice
9. Ad hoc Reviewer for: Journal of Women's Health
10. Ad hoc Reviewer for: New England Journal of Medicine
11. Ad hoc Reviewer for: Obesity Reviews
12. Ad hoc Reviewer for: Obesity

Heather R. Lane, M.S.N.

Hospital and Medical School

1. Highland Hospital Family Maternity Center Clinical Service Quality Committee
2. Student Coordinator for Midwifery Division

Stephanie Laniewski, M.S.

Hospital and Medical School

1. Prenatal Diagnosis Committee

Vivian Lewis, M.D.

Hospital and Medical School

1. Patient Priorities and Community Context: Navigation for Disadvantaged Women with Depression (AD 12-11-4261) Patient Centered Outcomes Research Institute. (PI-Poleshuck, E). Role- National Advisory Board member
2. Rochester bridges to the doctorate for deaf and hard of hearing students (GM107739-01). This is an education and training grant to increase opportunities for deaf and hard of hearing students to earn advanced degrees in biomedical sciences. Role-Oversight committee.

Community:

1. Black Physicians Network of Greater Rochester, Board of Directors
2. Hillside Family of Agencies, Board of Directors

National:

1. Food and Drug Administration: Bone & Reproductive Drugs Advisory Committee, Chair
2. Executive Leadership in Academic Medicine (ELAM) program: admissions committee and evaluation and quality improvement committee
3. Rochester Institute of Technology's National Science Foundation institutional transformation grant (ADVANCE) – external advisory board member

Mitchell A. Linder, M.D.

Hospital and Medical School

1. Eparc Physician Advisory Team
2. Compliance Liaison Committee
3. Erecord Department Deputy
4. Erecord Physician Builder Program
5. OB/GYN Department Erecord Charge Capture Implementation team
6. Stork inpatient OB/GYN Optimization Committee
7. Ambulatory OB/GYN Optimization Committee

Lioudmila V. Lipetskaia, M.D., M.Sc.

Hospital and Medical School

1. SMH robotic surgery steering committee

Mary Ma, M.D.

Hospital and Medical School

1. EPIC Physician Builder Group
2. Ambulatory Optimization Group
3. OB/GYN STORK Group

4. OB/GYN Residency Competency Committee

Amol K. Malshe, M.B.B.Ch., B.A.O., B.Med.Sc.

Hospital and Medical School

1. Perinatal Morbidity and Mortality Committee
2. Prenatal Diagnosis Committee

Lauren Miller MD

Hospital and Medical School

1. Hospital and Medical School: Teaching 3rd year medical student FHR interpretation 2-3x per year; 31200 UPP committee

Community

1. District II ACOG Junior Fellow Chair, programed Junior fellow educational events at the Upstate Meeting at Turning Stone, April 2017.

National/International:

1. ACOG Junior Fellow Chair for Section II of ACOG, voting member on National Junior Fellow Advisory Council Board.

Richard K. Miller, Ph.D.

Hospital and Medical School

1. Chair, International Committee on Research -European Network of Teratology Information Services and the Organization of Teratology Information Services. (International) - 7/1/2010-Present
2. NIH ECHO BioSpecimens Utilization Committee Co-Chair (National)
3. NIH ECHO Perinatal LifeStages Committee - Co-Chair (National)
4. NIH ECHO Steering Committee - Member (National)
5. Member, Board of Scientific and Policy Advisors (National)
6. Member OTIS Research Committee (National)
7. Member, Reproductive Study Section, Tobacco-Related Disease Research Program (National)
8. Member, Scientific Review Board, National Institutes of Health - TERIS, Teratology Information Computer System (National)
9. Medical Student Applicant - Interviewer (Hospital)
10. Strong Children's Research Center Faculty (Hospital)
11. University Committee on Investigation Involving Human Subjects, University of Rochester, Ad Hoc Member (Hospital)
12. Teratology Society - Member - Public Affairs Committee -
13. Organization of Teratology information Specialists (OTIS) Member Scientific Review Board
14. Organization of Teratology information Services (OTIS) Member - Committee on Occupational Exposures

Editorial Boards:

1. Editorial Board Member, Trophoblast Research

Richard G. Moore, M.D.

Hospital and Medical School

1. Robotic steering committee
2. Chair: Gynecology service line committee, Wilmot Cancer Institute

Jaclyn Erin Morrison, M.D.

Hospital and Medical School

1. Medical Director, Strong Beginnings Birth Center
2. Quality Assurance Council
3. OB-GYN QA Workgroup
4. OB-GYN Clinical Council
5. OB-GYN Resident Selection Committee

Katrina F. Nicandri, M.D.

Hospital and Medical School

1. Morbidity and Mortality US News Survival Scores (Review the risk of morbidity with hospital readmissions at Strong Memorial Hospital. Develop protocols to decrease Morbidity and Mortality)
2. Ad hoc Faculty Promotion Committee (Review faculty for promotion at the University of Rochester. Ensure that faculty meet the requirements set for by the University of Rochester for promotion)
3. Working Group for Persons with Disabilities (Interdisciplinary group of Pediatricians, Dentists, Gynecologists, etc. dedicated to improving the care and quality of life for children and adults with disabilities)
4. Minimally Invasive Gynecology Surgery (Interdisciplinary group of nurses, surgeons, and anesthesiologist dedicated to improving the practice of minimally invasive surgery at SMH. Group credited with establishing SMH as a Minimally Invasive Gynecologic Center of Excellence.)
5. Residency Competency Committee (Educational committee meeting quarterly and performing in-depth reviews of residents' performance to ensure that milestones are being met. Establish remediation plans for residents not meeting milestones)
6. MCIC Delivery of the Obstetrics and Gynecology Chair Report (Review MCIC cases as part of the QA review process)
7. Chir, Gynecology Quality Assurance (Lead Route Cause Analysis of sentinel events. Lead Gynecology Quality Assurance meetings. Review Gynecology surgical complications. Review and respond to patient relation inquires after a patient or family member complaint.)
8. Quality Assurance Counsel (Interdisciplinary committee dedicated to patient safety and implementation of safety improvement plans.)
9. ACOG District II LARC Task Force (Educate Providers and Patients in ACOG District II about LARC. Decrease Barriers to LARC both in the immediate post-partum period and to all women seeking contraception.)

Editorial Boards:

1. North American Society of Pediatric and Adolescent Gynecology Abstract Committee. (Approve and review abstracts for the North American Society of Pediatric and Adolescent Gynecology Annual Conference and Research Meeting)

Courtney Olson-Chen, M.D.

Editorial Boards:

1. Reviewer for:
Journal of Ultrasound in Medicine
Journal of Graduate Medical Education
Maternal and Child Health Journal

Eva Karen Pressman, M.D.

Hospital and Medical School

1. UR Medical Center Board
2. Medical Executive Committee
3. Clinical Council
4. Quality Assurance Council
5. OB Service Team
6. ACE Education Committee

National

1. ACOG Ethics Document Review Committee
2. SMFM Publications Committee

Colby A. H. Previte, M.D.

Hospital and Medical School

1. University of Rochester Highland Hospital Medical House Staff. Elected to serve as Medical House Staff leadership, starting January 1, 2016, for a term that includes two years in each the following roles in sequence: Treasurer, Vice-President, President, and Immediate Past President (serving as a member of the Highland Hospital Board of Trustees).
2. Highland Hospital, Highland Women's Health (HWH) at Culver Road Leadership Meetings. Medical Director of HWH at Culver Road member at monthly interdisciplinary leadership meetings with other team members, including Practice Manager, Nurse Leader, and Director of University Midwifery Group.
3. University of Rochester School of Medicine and Dentistry, URMC, Rochester, NY. Instruction Committee Member. Liaison between Women's Health Curriculum and other course and clerkship directors
4. University of Rochester School of Medicine and Dentistry, URMC, Rochester, NY. Third Year/Fourth Year Core Instruction Committee Member Liaison between Women's Health Curriculum and other course and clerkship directors
5. University of Rochester, Department of Obstetrics and Gynecology, OB/GYN Residency Competency Committee. Highland Hospital Full-time Faculty generalist OB/GYN representative to quarterly milestones-based competency review of resident progress. Member of team determining feedback for residents, as well as assisting in determining improvement plans and mobilizing available resources for resident education.

6. URMC, Highland Hospital Department of OB/GYN, Highland Women's Health at Culver Road Leadership Committee. Role includes collaboration with the nurse leading, practice director, practice manager, department administrator, and department chair to address clinical and administrative concerns from the practice.
7. University of Rochester OB/GYN Residency, Highland Women's Health at Culver Road Community OB/GYN resident meetings. Supervise meetings 4-6 times per year for residents whose continuity practice is based at HWH-COB, reviewing practice updates, reviewing practice statistics, and discussing educational concerns.
8. URMC, Department of OB/GYN |Advisory Committee on Education, Executive Committee |Liaison between department chair, division chairs, residency program, and medical student clerkship on committee addressing administrative and educational concerns pertaining to resident and medical student education.
9. URMC, Department of OB/GYN |Advisory Committee on Education, General Committee
10. URMC, Department of OB/GYN, Education Committee |Chair of committee comprised of OB/GYN Department faculty members of involved in components of medical student women's health education at URSMD.
11. URMC, Department of OB/GYN Leadership Committee. Role includes presenting updates regarding medical student issues to department leadership, including division chairs, up six times yearly (based upon invitation from Chair).

John T. Queenan, Jr., M.D.

Hospital and Medical School

1. Medical Student Education Committee.

National/International

1. Panel of Experts, ICD-11 Task Force, World Health Organization. Geneva, Switzerland.
2. Medical Advisory Board, Jones Institute for Reproductive Medicine, Norfolk, VA
3. CPT Advisory Committee, American Medical Association, Chicago, IL.
4. Chairman, CPT/Coding Committee, American Society for Reproductive Medicine, Birmingham, AL.
5. Subspecialty Liaison, CPT/Coding Committee, American College of Obstetrics and Gynecology, Washington DC.
6. ACOG Communications Committee, ACOG District II,
7. Communications Committee, ACOG District 2, Albany, NY.

Editorial Boards:

1. External Referee, Journal for Reproductive Medicine
2. Ad hoc Editor, Obstetrics and Gynecology
3. External Referee, American Journal of Obstetrics and Gynecology.
4. Ad hoc Editor, Fertility and Sterility

Ruth Anne Queenan, M.D., M.B.A.

Hospital and Medical School

1. Credential Committee
2. Safety Committee - Highland Hospital
3. Clinical Council Highland Hospital
4. Infection Prevention Committee

5. Medical Executive Committee
6. Compliance Liaison Committee
7. Chief of Service Committee
8. Perioperative Executive Committee
9. Clinical Service Quality Committee - Obstetrics
10. Clinical Service Quality Committee - Gynecology
11. Clinical Service Quality Committee - Operative Services
12. Perinatal Peer Review
13. Gynecology Peer Review
14. Advisory Committee on Education
15. Ad Hoc Promotions Committees

Ivelisse Rivera, M.D.

Hospital and Medical School

1. 2018 Diversity Conference Planning Committee
2. 2017-2018 Medical School Admissions Committee Interviewer

Joseph J. Scibetta, M.D.

Hospital and Medical School

1. Gynecologic Task Force for Operating Room Utilization and Long-Range Planning
2. Founding Member of the Board of Trustees: James P. Wilmot Foundation For Research in Cancer
3. Strong Memorial Gyn Operating Room Committee
4. GYN Operating Room Long Range Planning Committee
5. Executive Committee Lattimore Road Association

Neil S. Seligman, M.D.

Hospital and Medical School

1. Resident Advancement Committee
2. Director of Labor and Delivery 3-1400
3. Acting Director of Reproductive Genetics
4. Director of Prenatal Diagnosis Conference
5. Obstetrics Quality Assurance Workgroup Chair
6. Obstetrics and Gynecology Council
7. Perinatal Morbidity and Mortality Committee

Editorial Boards:

1. Editorial Advisory Board of Prenatal Cardiology
(<https://www.degruyter.com/view/j/pcard>)

Rajesh K. Srivastava, Ph.D.

Editorial Boards

1. Reviewed three manuscripts submitted to PLOS1, General and comparative Endocrinology and Biology of Reproduction.

Rakesh K. Singh, Ph.D., MPhil

Hospital and Medical School

1. Gynecologic Oncology Service line committee

Christopher J. Stodgell, Ph.D.

Hospital and Medical School

1. Chair, University Committee on Animal Resources
2. Chair UCAR
3. Medical School Admissions Committee
4. University Senate Executive Committee
5. Medical School Admission Committee
6. Faculty Senator
7. Senate Executive Committee Co-chair 2015-2016, ex officio 2017
8. Chair, OME/CACHED Medical Research Committee

National

1. Teratology Society, Councilor/Treasurer Congressionally Directed Medical Research Program, Autism Research Panel, Chair
2. Chair, Teratology Society Education Committee
3. Teratology Education Committee
4. Congressionally Directed Medical Research Program, Autism Research Panel Member

Jenney A. Stringer, C.N.M., M.S.N.

Hospital and Medical School

1. Centering Pregnancy Steering Committee

Sajeena G. Thomas, M.D.

Hospital and Medical School

1. Wilmot Gynecologic Oncology Service Line
2. Quality Assurance Highland Hospital
3. Residency Clinical Competence Committee

Loralei L. Thornburg, M.D.

Hospital and Medical School

1. Executive Committee Member, Academic Research Tract (ART)
2. Director of Thursday Perinatal Fellows Education & Research Seminar
3. Director, Obstetrical Educational Simulation Responsible for preparation and development of simulation days and interdisciplinary case education of ob/gyn, emergency room and anesthesia residents in obstetrical events.
4. Education Committee, MFM Fellowship Program Responsible for development of the educational program for the MFM fellowship including lectures, clinical rotations, research support, and project development
5. Medical Associate Editor, Peri-FACTS: Member of the editorial board for the international online learning modules in obstetrics and fetal heart rate monitoring,

including responsibilities with development of new curricula. Editor of the new Peri-FACTS textbook, 2012. Contributor to Peri-FACTS and to Peri-FACTS clinical quandaries series

6. Creation of obstetrical skills simulation program Due to a need for competency based skills testing, we developed a simulation curriculum for OB/GYN. Under this system, residents receive pre-teaching and didactic discussions of skills, followed by simulation of these skills, at least twice per year. Additional ad hoc simulation is also available on the labor and delivery service. A comprehensive assessment for using simulated skills began in June 2012. Multidisciplinary simulation with emergency medicine and anesthesia for critical care event simulation, and team building on an annual basis. Maternal Fetal Medicine Fellow simulation in rare obstetrical events and procedures including CVS, amniocentesis, shunt placement, rescue cerclage, and B-lynch. Development of simulators related to those events.
7. QA committee liaison
8. Prenatal Diagnosis Committee
9. SMH Perinatal Morbidity and Mortality Committee

State

1. Board Member & Finger Lakes Regional Representative- New York State Perinatal Association; Executive Committee Secretary- Statewide organization to advocate for excellence in perinatal health. Committees: Conference Development (Co-Chair 2013 conference; Chair- 2014, 2015 conferences) Website/Electronic/Social media development.
2. Steering Committee Finger Lakes Regional Perinatal Data System Development and maintenance of the quality of the regional perinatal data system to facilitate excellence and evidence based care for women in the Finger Lakes region.

National

1. Society of Maternal Fetal Medicine Member, External Communications Committee, Member, Education Committee: Committee to develop and evaluate educational content of the SMFM website and engagement of MFM fellows. Member, M in MFM Committee: Group to develop and teach maternal critical care for MFM fellows and members. Content Co-Chair M in MFM course: Critical Care in Obstetrics: An innovative and integrated model for learning the essentials. First course to be offered November 2014. Member, Literature Review Committee, 2012-present: Committee to review recent journals to compile list of relevant abstracts for membership.
2. Perinatal Quality Foundation Board Member. Committee assignments: -Research and Innovation Committee: Committee to develop research related to the Nuchal Translucency Quality Review (NTQR) data and evaluation of project requests from outside researchers using that data. -Education Committee: Committee to develop educational projects, including creation and development of a first trimester ultrasound and anomaly database, with an online quiz and education related to anatomy in the first trimester.

Editorial Boards:

1. Medical Associate Editor, Perifacts

Ellen J. Tourtelot, M.D.

Hospital and Medical School

1. DSRIP-working on smoking cessation for pregnant patients subgroup to try and decrease low birth weight. Our proposal for a NP to do smoking cessation was modified to a nurse who could be a care coordinator for the WHP OB patients. This job description also includes the nurse to be proficient in smoking cessation counseling. She will also be tracking depression screening for OB patients as well as making sure the patients come for their appointments and get the services they need. I am also involved in the medical records subgroup through DSRIP exploring tracking mechanisms in e-record. We are currently exploring what we want to track for MACRA.
2. Breastfeeding WHP workgroup – monthly meetings to discuss improvement in uptake of breastfeeding by our patients. Secondary goal was to obtain the NYS DOH for the designation of Breastfeeding Friendly Office. Certification obtained May 2017.
3. Council of the Medical Staff monthly meeting
4. SCOPE-Safety Certification in Outpatient Practice Excellence Application submitted, site visit done 12/2015. Approval for 5 years granted April 2016 for WHP. I am responsible for submitting yearly updates to ACOG through 2021.
5. Quality Assurance Council
6. Women's Health Practice Weekly Operations Meeting

Wendy S. Vitek, M.D.

Hospital and Medical School

1. Chair, 1st and 2nd year Instruction Committee
2. Vice Chair, 1st and 2nd year Instruction Committee
3. Curriculum Steering Committee
4. Third and fourth year medical school instruction committee

National

1. Research Committee member, Society for Assisted Reproductive Technology
2. Education committee member, National Physicians Cooperative of the Oncofertility Consortium

Editorial Boards:

1. Ad-Hoc Reviewer: Fertility and Sterility

Natalie Sue Whaley, M.D., M.P.H.

Hospital and Medical School

1. Patient Engagement Committee
2. Accountable Health Partners Specialist Advisory Committee
3. University of Rochester Medical Center Ethics Committee

National

1. ACOG District IV Legislative Committee.

James R. Woods, Jr., M.D.

Hospital and Medical School

1. As of Jan 1, 2017 completely reorganized the former Hess/Woods menopause practice, renaming it **URMedicine: Menopause and Women's Health** with over 2000 patients. Recruited a second Nurse Practitioner allowing the practice to have one MD, two nurse practitioners, all three certified in menopause medicine.

EDUCATIONAL CONTRIBUTIONS

Cynthia L. Angel, M.D.

1. HH GYN ONC weekly Tumor Board presentation
2. Highland Hospital Monthly Gyn Oncology Conference

Sarah J. Betstadt, M.D., M.P.H.

1. Facilitator, Intro to Clinical Medicine, sexual history taking
2. Course Coordinator, Primary Care Clerkship, ambulatory curriculum on contraception and abortion for second year medical students
3. Nexplanon Trainer
4. Medical Student Didactics for Third Year Medical Students-Postmenopausal Vaginal Bleeding and Menopause and Hormone Replacement Therapy
5. Mentor, Medical Students For Choice summer externship
6. Course Coordinator, OBG 622, Fourth Year Family Planning Elective
7. Planned Parenthood of the Rochester/Syracuse Region - Provide and teach Ob/Gyn residents family planning services
8. Family Planning service-includes teaching options counseling, sexually transmitted disease counseling and screening, contraceptive counseling, evaluation of patients for first and second trimester abortion planning, evaluation of patients for moderate sedation, first trimester ultrasound, office paracervical block and laminaria placement, first and second trimester abortions, IUD and implant insertions, office first trimester abortion, Ryan module quiz reviews and journal club (every 2 weeks). Also offers a 2 week Family Planning elective (approximately 10 students each year) and a Medical Student for Choice elective (approximately 1-3 students for 2-6 weeks each summer).
9. General Obstetrics and Gynecology Attending -Precept in resident continuity clinic two- four days per month -Review weekly ambulatory journal club article with residents -Attend on resident continuity cases going to the operating room

Balasubramanian Bhagavath, M.D.

1. Certified Trainer, Crucial Conversations® for malpractice premium reduction
2. Course Instructor Invited faculty to teach REI Surgical Boot Camp organized by SREI/SRS/ASRM. Teach REI fellows from the around the nation. Tampa, Florida
3. Laparoscopy and hysteroscopy simulation course instructor for OB/GYN residents, Department of Obstetrics and Gynecology, University of Rochester Medical Center
4. Residency Core lecture series on Endocrinology of Pregnancy, Female Infertility Evaluation; Primary Amenorrhea; Galactorrhea; PCOS; and Mullerian Anomalies, University of Rochester Medical Center
5. Basic science lecturer/preceptor for student presentations for 3rd year clerkship; New Directions in Reproductive Medicine, University of Rochester School of Medicine and Dentistry Thursday Didactics Lectures for 3rd year clerkship; Infertility: Diagnosis and Treatment; Secondary Amenorrhea, University of Rochester School of Medicine and Dentistry
6. Endocrine Core Conference Lecture Series Female Infertility; The Normal Reproductive Cycle and Amenorrhea; Menopause, University of Rochester Medical Center

7. Endocrine-Metabolism Case Conference Present unusual and varying topics for academic and clinical discussion, University of Rochester Medical Center
8. Director, Scibetta Fellowship in Minimally Invasive Gynecologic Surgery University of Rochester Medical Center Rochester, New York
9. APGO SIMULATION LISTSERV This LISTSERV has been functional since 2010 and has more than 170 subscribers. It caters to the needs of the OB/GYN faculty around the country interested in simulation as a way to teach, learn and train. I am the sole moderator for this LISTSERV.

Adrienne D. Bonham, M.D., M.S.

1. Teaching Attending, Strong Memorial Hospital. One week per month provide teaching and supervision of the resident on the inpatient obstetrics and gynecology service. During this week, the attending is responsible for: Coverage of the low risk obstetrical unit, supervising resident management of labor and deliveries, as well as acting as attending for all staff patients. Coverage of inpatient gynecology consultations. Coverage of emergency department consultations of all staff and unregistered patient. Coverage of all urgent surgeries and procedures on staff and unregistered patients. Teaching surgical skills to residents in the operating room and acting as the supervising attending for staff surgeries
2. Fourth Year Student Successful Interning elective, Interning in Ob/Gyn
3. Lecturer, Resident Core Curriculum - Ambulatory Ob/Gyn series
4. Resident lecture series. Colposcopy, Principals of cytology and cervical pathology, Tissue flaps, grafts and closures, Billing and Coding curriculum, Management of menopausal symptoms
5. Lecturer, Resident Core Curriculum - Coding and Billing - Menopause - Hormone Replacement Therapy - Vulvovaginal Disorders
6. Lecturer, Second Year Student Core Curriculum: Dysfunctional uterine bleeding, Ectopic pregnancy, Early pregnancy loss, Management of menopausal symptoms
7. Obstetrics curriculum, Rochester Institute of Technology Physician's Assistant Program Lecture topics include: Pregnancy physiology, Prenatal care, Complications of early pregnancy, Complications of late pregnancy, Labor and delivery, Postpartum care.

Kristen E. Burhans, M.D.

1. Medical Student 3rd Year Clerkship Site Coordinator for Strong Memorial Hospital – including site-coordinator didactics on vaginitis and contraception, as well as postmenopausal bleeding, menopause symptoms, hormone replacement therapy
2. Guest lecturer: Rochester Fire Department EMT course – Basic Obstetrics, Obstetric Complications, Gynecologic Emergencies
3. Course Coordinator: OBG-EXT: 4th year medical student elective (sub-internship)
4. Proctor: Fourth year medical student simulation session as part of the Successful Interning Elective Course
5. Course Co-coordinator: AAP District Education Grant awarded to develop a joint OB/GYN and NICU sponsored First Responders Conference to familiarize regional first responders on infant delivery and stabilization
6. Simulation Coordinator: Resident Simulation Skills days – organize 4 sessions annually to simulate a variety of obstetric and gynecologic skills, develop formal evaluation tool to assess competency and proficiency of a variety of skills. Also responsible for organizing twice monthly laparoscopic skills training sessions and annual intern bootcamp simulations.
7. Lecturer, Resident Core Curriculum: Ambulatory CREOG review, Transitioning from Resident to Attending, Challenges of Caring for the Incarcerated Patient

8. Lecturer/Proctor: Second year medical student didactic and simulation of routine vaginal delivery; preceptor for breast and pelvic examinations
9. Organizer/Lecturer/Proctor: Successful Interning Course: OB/GYN Skill Simulation Session
10. General Obstetrics and Gynecology Attending -Precept in resident continuity clinic one-two days per month -Review weekly ambulatory journal club article with residents -Attend on resident continuity cases going to the operating room
11. Participate in Teaching Rounds/ Service attending for low risk obstetrics service and gynecology service. Eight weeks per year -Daily gyn rounds at 7AM -Precept presentations by residents and students -Daily bedside rounds for obstetrics and gynecology services Staff ED consults

Paula J. Doyle, M.D.

1. PELVIC ORGAN PROLAPSE; Interactive lecture taught annually to Urology residents reviewing the interactions between female pelvic organ prolapse and urinary dysfunction.
2. CADAVERIC PELVIC ANATOMY LAB This course is taught to 3rd year medical students as a basic science component towards completion of the Gynecology and Obstetrics rotation. This course is offered every three months at the University of Rochester School of Medicine and Dentistry.
3. PELVIC FLOOR DYSFUNCTION An interactive lecture given to 3rd medical students as part of the clinical rotation in Obstetrics & Gynecology. It is taught every three months at the University of Rochester School of Medicine and Dentistry.
4. Disease Processes and Therapeutics: Introduction to pelvic organ prolapse and urinary incontinence. Annual course for 2nd year medical students.
5. OB-GYN Medical Student Clerkship Lecture Series: Pelvic Floor & Vulvar Disorders. Present as problem-based learning activity throughout the year as students rotate through their clerkships.
6. OB/GYN Resident Simulation: Taught TVT techniques and 4th degree laceration repairs.

Brent DuBeshter, M.D.

1. 3rd Year Clerkship, Breast and Pelvic Masses
2. Creog Review
3. Introduction to Gynecologic Oncology, 2nd year medical students
4. Gynecologic Oncology Tumor Conference

Erin E. Duecy, M.D.

1. Medical Student Advisor for OB-GYN Residency Application Provide counseling regarding application requirements, assessment of qualifications, program choice, interview skills. Assess and edit CVs and personal statements. Typically 4-8 students per year with 2-5 meetings with each.
2. Faculty Facilitator & lecturer, Mindful Practice Curriculum Preparation & delivery of recurring 6 part lecture series as part of the university-wide program sponsored by MLMIC and the Arthur Vining Davis Foundation.
3. Fellow Research Mentor *Served as research advisor for FPMRS fellow resulting in successful submission of thesis and publication. *Served as Research Mentor & Advisor for FPMRS fellow, including participation on her Master's Thesis Committee for her MPH program. *Currently serving as Research Mentor & Advisor for FPMRS fellow
4. Faculty Facilitator, Outpatient Urogynecology Rotation for Family Medicine Residents * Development of curriculum and teaching plan.

5. Faculty Facilitator, Outpatient Urogynecology Rotation for Urology Residents * Development of curriculum & teaching plan. *Trial rotations have resulted in development of a formal rotation for senior Urology residents
6. Faculty Participant, Quarterly Resident GYN & Obstetric Skills Lab * Preparation of models and skills teaching of obstetric laceration repair * Supervision and evaluation of Fellows in a teaching role
7. Resident Research Mentor *Have acted as primary faculty advisor for 3 resident research projects; two have resulted in presentation at a national meeting; both manuscripts submitted for publication; one just presented at resident research day and being submitted to national meeting for 2013. *Have acted as accessory faculty advisor on several resident research projects resulting in successful presentation at Resident Research Day, national presentation, and publication.
8. Perioperative Care of The Geriatric Patient Lecture Series Lectures series focusing on normal geriatric physiology and physiologic changes in the peri-operative setting affecting provision of medical care.
9. Faculty Facilitator, Outpatient Urogynecology Rotation for OB-GYN Residents. * Development & implementation of formal curriculum, scheduling, and resident evaluations. * Resulted in improved resident & faculty satisfaction with the Urogynecology experience including consistent resident evaluation of the rotation as one the highest rated rotations
10. Blackboard: Introduction to Urogynecology. Created on-line learning portfolio for nursing staff, students, and residents. Used as part of curriculum for resident rotation through Urogynecology. Includes introduction to common surgical procedures, lectures on pelvic floor disorders with post-test, etc.
11. URM Residants as Teachers Course, Co-Chair Half-day mandatory course for all rising second year residents to be given annually. Topics: Creating an Optimal Learning Environment, Teaching in the Clinical Learning Environment, Teaching Challenges & the Challenging Learner, Feedback & Evaluation. Role: Co-chair of committee developing format, topics, curriculum, organization & logistics, scheduling, development of follow-up supplemental educational interventions.
12. Pelvic Floor Disorders: clinical experience. Created for Internal Medicine residents interested in women's health. Created curriculum and mentor residents through clinical experience in office.
13. OB-GYN Medical Student Clerkship Lecture Series: Pelvic Floor & Vulvar Disorders. Wrote clinical scenario. Present as problem-based learning activity throughout the year as students rotate through their clerkships.
14. Pelvic Floor Disorders: Clinical experience for Family Medicine residents. Created curriculum and provide teaching & mentorship during longitudinal office experience.
15. Urogynecology Rotation for OB-GYN Residents: Created curriculum, provide on-on-one teaching sessions, final exam, Blackboard content, etc.

Tammy L. Farnham, M.S.

1. Involvement with medical student and resident training as well as precepting various Nurse Midwifery and Nurse Practitioner students in my current practice

J. Christopher Glantz, M.D., M.P.H.

1. Public Health PhD Thesis Committee
2. MPH Thesis Committee
3. Course Co-Director, MSIV Ambulatory OBGYN elective
4. Course Director, MSIV General OB-GYN sub-internship
5. Course Director, MSIV Maternal-Fetal Medicine elective

6. Obstetrical Teaching Rounds: Medical Students III and IV, OB-GYN Residents I-IV, and Maternal-Fetal Medicine Fellows

Lisa Gray, M.D.

1. Perinatal Practice Director, Special Care Clinic
2. Maternal-Fetal Medicine Clerkship Director

Amy Robinson Harrington, M.D.

1. Successful Interning Elective-Women's Reproductive Health -Fourth year medical student elective
2. Course Co-Coordinator, OBG 622, Fourth Year Family Planning Elective, University of Rochester -8-10 students per year take this two week elective -Two weeks/8 hours per day Family Planning clinical instruction -Final oral presentation required
3. Medical student didactics: Postmenopausal Bleeding, Menopause, Hormone Replacement Therapy, Antenatal and Intra-partum Fetal Assessment, Contraception and Vaginitis, Vaginal Bleeding in Early Pregnancy
4. Resident Ambulatory Curriculum Responsible for creating a 2 year cycle of topics and articles covering CREOG topics to review during resident weekly continuity clinics
5. Preceptor for second year medical student teaching including: Medical student breast and pelvic examination teaching Primary Care Clerkship Contraceptive sessions
6. Family Planning service-includes teaching options counseling, sexually transmitted disease counseling and screening, contraceptive counseling, evaluation of patients for first and second trimester abortion planning, evaluation of patients for moderate sedation, first trimester ultrasound, office paracervical block and laminaria placement, first and second trimester abortions, IUD and implant insertions, office first trimester abortion, Ryan module quiz reviews and journal club (every 2 weeks). Also offers a 2 week Family Planning elective (approximately 10 students each year) and a Medical Student for Choice elective (approximately 1-3 students for 2-6 weeks each summer). -Creation of family planning resource website at URMC (www.urmc.rochester.edu/ob-gyn/family-planning.aspx) -Creation and implementation of a Postpartum LARC protocol -Creation of up-to-date evidence based contraception handouts for Women's Health Practice
7. Small Group Facilitator, Primary Care Clerkship, ambulatory curriculum on contraception and abortion for second year medical students, University of Rochester -Facilitate small group sessions and standardized patient options counseling session -Proctor and teach breast and pelvic examinations with volunteer patients
8. Family Planning Attending -Daily bedside/operating room teaching with residents and students - Weekly journal club at Planned Parenthood and review of Ryan residency training curriculum - Mentor multiple family planning resident research projects
9. General Obstetrics and Gynecology Attending -Precept in resident continuity clinic two- four days per month -Review weekly ambulatory journal club article with residents -Attend on resident continuity cases going to the operating room
10. Faculty Advisor, Medical Students For Choice, University of Rochester Chapter -Organize and facilitate yearly Papaya workshops for medical students -Organize and facilitate yearly LARC (long-acting reversible contraception) workshops for medical students -Facilitate yearly Abortion Policy & Politics session -Facilitate shadowing opportunities -Participate in yearly Reproductive Rights Panel

11. Participate in Teaching Rounds/ Service attending for low risk obstetrics service and gynecology service. Ten weeks per year -Daily gyn rounds at 7AM -Precept presentations by residents and students -Daily bedside rounds for obstetrics and gynecology services Staff ED consults

Monique Ho, M.D.

1. Recurring Lecture, PTH 530, University of Rochester Graduate Education; " Embryonic and patient-specific pluripotent stem cells as models for determining embryotoxicity"
2. Recurring Lecture, PTH 510, University of Rochester Graduate Education, "Pathology of the Female Genital System"
3. Recurring Lecture, Molecules to Cells Course, School of Medicine and Dentistry; "Genetic screening and diagnosis in pregnancy"

Kathleen M. Hoeger, M.D., M.P.H.

1. Resident Core Lecture Series-PCOS
2. Basic science lecturer/preceptor for student presentations for 3rd year clerkship; New Directions in Reproductive Medicine, University of Rochester School of Medicine and Dentistry
3. Thursday Didactics Lectures for 3rd year clerkship; Infertility: Diagnosis and Treatment; Secondary Amenorrhea, University of Rochester School of Medicine and Dentistry
4. Endocrine-Metabolism Case Conference Premature Ovarian Failure University of Rochester Medical Center

Kyu Kwang Kim, Ph.D.

1. Co-mentored The 2016 summer program run by Strong Children's Research Center: Jennifer Rutishauser (an undergraduate student of Fordham University) and Aaron Jones (an undergraduate student of University of Rochester)

Stephanie Laniewski, M.S.

1. Lectures:
"Back to Basics: Cytogenetics" (MFM fellows)
"Smith Lemli Opitz Syndrome" (RGH sonographers/staff)
"Skeletal Dysplasias" (MFM fellows)
"Genetic Carrier Screening" (MFM fellows)
Excellus BCBS Case Presentation

Brooke A. Levandowski, Ph.D., M.P.A.

1. Epidemiological resource to Science of Family Medicine course

Vivian Lewis, M.D.

1. Ever Better Mentoring- a CTSI online course for faculty
2. The University of Rochester's Clinical Translational Science Institute- 5 UL1 TR000042-10 (Co-PIs: Bennett, Nancy and Zand, Martin), NIH/National Center for Research Resources. Role-Chair, Mentor development working group in the Research Education, Training and Career Development pillar.

3. Project pathways- BUILD award- PI: D'Amour, Gene (OSP-15-21173-01E; Subaward of UL1 MD1189677-02). Trans NIH Common Research Fund. This is a subaward of a grant to increase research capacity at minority serving institutions. University of Rochester is a partner that: 1) works with Xavier to facilitate research collaborations between Xavier faculty and Rochester faculty and 2) expands opportunities for Xavier students to participate in mentored research projects. Site PI: Lewis, Vivian
4. Thesis committee- Carolyn Nastro, candidate for PhD, Warner Graduate School of Education - Integrating a Medical Center's Leadership and Professional Workforce from Within: A Mixed Methods Study on the Use of Educational Benefits by Ethnic-Minority, Non-Professional Staff"
5. Thesis committee- Martina Anto-Ocrah, candidate for PhD, Department of Public Health Sciences, School of Medicine and Dentistry- Reproductive and Sexual Functioning After Mild Traumatic Brain Injury in women
6. Creating a World for All, 8th Annual Diversity Conference, University of Rochester; organized this day-long conference
7. Conversations on Race; Annual Research Conference, University of Rochester; organized this half-day conference
8. Leading from within: exploring and enhancing choices for midcareer women in academic medicine- lecture- Mentors versus Sponsors.

Mitchell A. Linder, M.D.

1. Teaching Attending, Strong Memorial Hospital. 10 weeks per year, provide a week teaching and supervision of residents and medical students on the inpatient obstetrics and gynecology service. Responsibilities include supervision of obstetrics and gynecologic teams involved in antenatal care/laboring patients/postpartum care as well as gynecologic surgeries and ED consults/floor management. Daily bedside rounding for these services.
2. Preceptor, Ambulatory setting - Supervise resident continuity clinic 1-2 days per month including reviewing journal club articles and staff surgeries book from this clinic. Also supervise colposcopy clinic 4-6 times per year.
3. Resident lecture series. Tissue flaps, grafts and closures 2016-present, Billing and Coding curriculum 2017, Resident simulation for circumcision technique, Mock Oral Board Examination prep series
4. Lecturer: 3rd year medical student curriculum: postmenopausal bleeding and hormone replacement therapy.
5. Lecturer: OBGYN Inpatient nursing lecture on Hepatitis C

Lioudmila V. Lipetskaia, M.D.

1. Faculty Facilitator, Outpatient Urogynecology Rotation for OB-GYN Residents. Development & implementation of formal curriculum, scheduling, and resident evaluations
2. Developing of surgical video coaching program for FPMRS fellows (on-on-one review sessions of surgical videos with providing feedback on fellows personal performance and facilitating surgical skills development)
3. Moderator for journal clubs for PFRMS fellows
4. Cadaveric pelvic anatomy lab for medical students
5. OBGYN resident simulation course for TVT and 4th degree laceration repairs

Erin M. Masaba, M.D.

1. University of Rochester School of Medicine and Dentistry Medical Student APGO case review
2. University of Rochester School of Medicine and Dentistry Medical Student pelvic exam training
3. Residency Core lecture series on Endocrinology of Pregnancy; Female Infertility Evaluation; Primary Amenorrhea; Galactorrhea; PCOS; and Mullerian Anomalies, University of Rochester Medical Center

Lauren Miller, M.D.

1. Assisted with teaching of residents on L&D.
2. Assisted with teaching during resident simulation labs.
3. Taught resident lecture on fetal surgeries.

Richard K. Miller, Ph.D.

1. Process of Discovery, 8 sessions/year, 4th Year Medical Students
2. Hormone Laboratory, 3rd year medical students (4 - 2 hour sessions per year)
3. Integrated Organ Course - Female: lectures and laboratories, 2nd year medical students
4. OBS 502 Perinatal Pharmacology (for 1st and 2nd year medical students)
5. Pharm 530/Tox 530, Reproductive and Developmental Pharmacology/Toxicology (graduate and medical students; and perinatal fellows)
6. Tox 522, Toxicology Section Head, 6 lectures and laboratories for graduate
7. Instructor - Year 2 Medical Student Lectures- 1. Teratology Counseling 2. Occupational and Viral Exposures during Pregnancy
8. Year 4 - Medical Student Program Process of Discovery - Mentor for Obs/Gyn Group
9. Year 3 Medical Student Lectures - Reproductive Endocrinology Testing Teratology lecture and student presentations
10. Course Master and Instructor - Toxicology 530 Reproductive and Developmental Toxicology
11. Section Director and Instructor - Toxicology 522 - Reproductive and Developmental Section

Jaelyn Morrison, M.D.

1. Lecturer: Resident Core Curriculum. "Gynecology CREOG Annual Review"
2. Lecturer: Resident Core Curriculum. "Pediatric Vulvovaginal Disorders"
3. Resident Simulation – Proctor for multiple resident simulation stations and activities, including mock oral boards station.
4. Intern Boot Camp – Proctor for intern orientation simulation sessions for introduction to different surgical skills.
5. OB Inpatient Erecord – Developed the new standardized OB resident/physician documentation templates, supervised compliance with hospital documentation guidelines.
6. General Obstetrics and Gynecology Attending - Precept in resident continuity clinic two days per month. Review weekly ambulatory journal club article with residents. Attend on resident continuity cases going to the operating room. Precept residents and medical students in my faculty OB-GYN practice.
7. Inpatient General Obstetrics and Gynecology Attending - Participate in teaching rounds/ service attending for low risk obstetrics service and gynecology service. Ten weeks per year. Daily gyn rounds at 7AM -Precept presentations by residents and students -Daily bedside rounds for obstetrics and gynecology services. Staff ED consults.

8. Pediatric and Adolescent Gynecology Attending – Precept residents and medical students during their ambulatory rotation to provide instruction in the area of pediatric and adolescent gynecology.
9. Family Planning Attending – Supervision of residents in family planning clinic (pregnancy options counseling, termination of pregnancy, and complex contraceptive needs). Operating room instruction for first and second trimester termination of pregnancy procedures.
10. Supervisor – OB-GYN resident QA projects and development of clinical practice guidelines.
11. Lecturer, Medical Student Didactics: “Postmenopausal Bleeding” and “Hormone Replacement Therapy”
12. Preceptor, Medical Student Breast/Pelvic Exam Teaching Session

Richard G. Moore, M.D.

1. Basic Science Research mentor for gynecologic oncology fellows
2. HH GYN ONC weekly Tumor Board presentation

Katrina F. Nicandri, M.D.

1. Nexplanon/Implanon Trainer -Teach residents and faculty indications for use of Nexplanon. - Teach residents and faculty proper technique for Nexplanon insertion and removal.
2. Conference Director, Obstetrics and Gynecology Morbidity and Mortality Conference (URMC). - Compile Department Surgical Case Numbers for presentation (number of hospital readmissions, length of stay, etc) -Guide residents with case selection -Encourage faculty discussion for critical case review and identification of areas for improvement
3. Site Coordinator for OB/GYN 3rd year Clerkship. -Perform Mid-clerkship reviews -Ensure a positive experience for 3rd year medical students in the OB/GYN clerkship -Participate in grading meetings -Hold didactic sessions with the students each rotation
4. Co-Director, Forth Year Medical Student Ambulatory Clerkship (URMC) -Individualize each student's rotation for maximal experience in all aspects of ambulatory Obstetrics and Gynecology: Ultrasound, Family Planning, Colposcopy, etc. -Meet with students weekly to discuss rotation and interesting clinical scenarios
5. Director, Forth Year Medical Student Ambulatory Clerkship (URMC) -Individualize each student's rotation for maximal experience in all aspects of ambulatory Obstetrics and Gynecology: Ultrasound, Family Planning, Colposcopy, etc. -Meet with students weekly to discuss rotation and interesting clinical scenarios
6. Instructor, Resident Simulation Oral Board Case of the day -Lead a simulation station to aid in resident education and practice for Pudendal Nerve Blocks. -Review Pelvic Floor Anatomy
7. Pediatric and Adolescent Gynecology Curriculum -Development of learning objectives for the OB/GYN residents in the area of PAG. Development of a lecture series for the OB/GYN residents in the area of PAG. -Posting pertinent articles in the subspecialty of PAG on URMC, Blackboard.
8. Resident Simulation -- Gynecology Retractors and Prevention of Nerve Injury -Developed a simulation station to aid in resident education in the area of gynecologic retractors -Reviewed the common nerve injuries associated with gynecologic retractors and patient positioning prior to surgery.
9. Preceptor, Pediatric and Adolescent Gynecology Clinic -Adolescent Medicine Fellow -Mentor Adolescent Medicine Fellow in a faculty practice to provide experience in the area of Pediatric and Adolescent Gynecology.
10. Preceptor, Pediatric and Adolescent Gynecology Clinic -3rd year OB/GYN Resident -Elective Rotation -Mentor Obstetrics and Gynecology 3rd year Residents in a faculty practice during their

elective rotation providing additional education in the area of Pediatric and Adolescent Gynecology.

11. Preceptor, Pediatric and Adolescent Gynecology Clinic -Ambulatory Rotation -Pediatric Residents - Mentor Pediatric Residents in a faculty practice during their ambulatory rotation providing additional education in the area of Pediatric and Adolescent Gynecology.
12. Preceptor, Pediatric and Adolescent Gynecology Clinic -Ambulatory Rotation -Medicine-Pediatric Residents -Mentor Medicine-Pediatric Residents in a faculty practice during their ambulatory rotation providing additional education in the area of Pediatric and Adolescent Gynecology.
13. Preceptor, Pediatric and Adolescent Gynecology Clinic -Adolescent Medicine Elective -Fourth year Clerkship -Mentor Fourth year medical students from the University of Rochester and visiting medical students in a faculty practice during their Adolescent Medicine Elective rotation providing education in the area of Pediatric and Adolescent Gynecology.
14. Preceptor, Faculty Gynecology Clinic -Women's Health Core Curriculum -2nd year medical students - Mentor Second year medical students in a faculty practice during their Women's Health Core Curriculum Course providing education in the area of Pediatric and Adolescent Gynecology and General Gynecology.
15. Attending Surgeon, Obstetrics and Gynecology Department of Obstetrics and Gynecology Strong Memorial Hospital, University of Rochester School of Medicine Rochester, NY -Supervise residents in the Operating Room; -Teaching safe, effective surgical technique, and post-operative care.
16. Attending Physician, Obstetrics and Gynecology Birth Center Department of Obstetrics and Gynecology Strong Memorial Hospital, University of Rochester School of Medicine Rochester, NY -Supervise residents on the Birth Center and Labor and Delivery overseeing management of antenatal care, intrapartum care, and postpartum care. -Supervise resident consultations in the Emergency Department and from other Medical Specialties Services within Strong Memorial Hospital.
17. Attending Physician, Obstetrics and Gynecology Continuity Clinic Department of Obstetrics and Gynecology Strong Memorial Hospital, University of Rochester School of Medicine Women's Health Practice Rochester NY -Oversee residents caring for patients in an ambulatory practice (develop differential diagnosis, patient evaluation (physical exam and testing), treatment plan (including decision for surgery), prenatal care, etc)
18. Preceptor, Faculty Gynecology clinic -Obstetrics and Gynecology Clerkship -3rd year medical students - Mentor Third year medical students in a faculty practice during their OB/GYN Clerkship providing education in the area of Pediatric and Adolescent Gynecology and General Gynecology.

Courtney Olson-Chen, M.D.

1. NICU Fellow Lecture: Maternal Medical Conditions
2. Anesthesiology Residency Lecture: Hypertensive Emergencies in Pregnancy
3. Ob/Gyn Residency Ultrasound Education: Cervical Length
4. Women's Health Course- Intrapartum and Postpartum Care/Obstetric Simulation for 2nd year medical students
5. Breast and pelvic exam teaching for 2nd year medical students
6. Laura Pekman, MD. University of Rochester Ob/Gyn Resident. Ob/Gyn Grand Rounds Presentation: Aspirin and Preeclampsia
7. Marika Toscano, MD. University of Rochester Ob/Gyn Resident. Resident Research Projects: Contraceptive counseling in the antepartum period and Uptake of long-acting reversible contraception after spontaneous preterm birth and subsequent birth outcomes.

Eva K. Pressman, M.D.

1. Resident Lecture, "Isoimmunization"
2. Resident Simulation, Day 1
3. Resident Simulation, Day 3
4. Resident Simulation, Day 4

Colby A. H. Previte, M.D.

1. Rochester General Hospital, OB/GYN Residency Program, Rochester, NY. Lecturer, "Teaching Medical Students," a didactic reviewing adult learner education theory, learning objectives for the third year OB/GYN clerkship, and trouble-shooting of teaching struggles residents have encountered. Updated yearly to review changes in medical school curriculum, and to include direct examples provided by resident physicians of their own teaching struggles in the preceding academic year.
2. University of Rochester Medical Center, Department of OB/GYN, Lecturer, "Residents as Teachers," OB/GYN residency intern orientation. Annual interactive session reviewing URSMD third year medical student learning objectives, education theory, teaching responsibilities and resources, and trouble-shooting exercises for residents addressing teaching, learning, and feedback.
3. University of Rochester, Highland Women's Health Lunch and Lecture Series, Consulting Physician. Role includes partnering with Jacqueline Nasso, CNM, to determine medical topics, assist in finding presenters, and provider clinical consultation for didactic series addressing pertinent clinical diagnoses, and their ambulatory management, including the roles of office administrators, nursing, and providers in facilitating team-based care.
4. University of Rochester Medical Center, Department of OB/GYN, Lecturer, "Teaching, Learning, and Feedback," resident lecture series. An interactive, case-based didactic session, reviewing URSMD third year medical student learning objectives, education theory, and trouble-shooting exercises for residents addressing teaching, learning, and feedback. Updated yearly based upon direct examples provided by resident physicians of their own teaching struggles.
5. University of Rochester School of Medicine and Dentistry, Rochester, NY, Second Year Medical Student Lecture, Primary Care Clerkship Course, "Annual Well Woman Examination" (lecture given in both small- and large-group format up to twice yearly).
6. University of Rochester School of Medicine and Dentistry, Rochester, NY, Second Year Medical Student Lecture, Primary Care Clerkship Course, "Vaginitis" (lecture given in both small- and large-group format up to twice yearly).
7. University of Rochester School of Medicine and Dentistry, Rochester, NY, Second Year Medical Student Lecture, Primary Care Clerkship Course, "Abnormal Uterine Bleeding" (lecture given in both small- and large-group format up to twice yearly).
8. University of Rochester School of Medicine and Dentistry, Rochester, NY, First Year Medical Student Lecture/Lab, Primary Care Clerkship Course, Male/Female Genitourinary Integration Conference, "The Female Genitourinary Examination" and accompanying skills lab (yearly in November)
9. University of Rochester Medical Center, Department of OB/GYN Lecturer, "Clinical Anatomy Review," twice quarterly lecture, OB/GYN clerkship orientation
10. University of Rochester, Department of OB/GYN, Rochester, NY Instructor, Female breast and pelvic examination, performed on standardized patients, taught to second year students as part of Primary Care Clerkship course.

John T. Queenan, Jr., M.D.

1. Member, Panel of Experts, ICD-11 Task Force, World Health Organization. Geneva, Switzerland.
2. Mentor, ACOG Mentor Program.
3. Clerkship Director, Obstetrics and Gynecology 620: Reproductive Endocrinology, University of Rochester Medical Center, Rochester, NY
4. Faculty Advisor, Ob/Gyn Student Interest Group, University of Rochester Medical Center, Rochester, NY
5. Lecturer. Reproduction Section. Disease Processes and Therapeutics 2.
6. Lecturer. Basic Science Course: Fertilization and Human Embryo Implantation. From Genes to Generations. Double Helix Curriculum
7. Lecturer, ACE Clerkship Curriculum. Department of Obstetrics and Gynecology, URM.
8. Lecturer: Molecules to Cells, University of Rochester Medical Center, Rochester, NY.
9. Residency Core lecture series on Endocrinology of Pregnancy; Female Infertility Evaluation; Primary Amenorrhea; Galactorrhea; PCOS; and Mullerian Anomalies, University of Rochester Medical Center
10. Basic science lecturer/preceptor for student presentations for 3rd year clerkship; New Directions in Reproductive Medicine, University of Rochester School of Medicine and Dentistry
11. Thursday Didactics Lectures for 3rd year clerkship; Infertility: Diagnosis and Treatment; Secondary Amenorrhea, University of Rochester School of Medicine and Dentistry
12. Endocrine Core Conference Lecture Series Female Infertility; The Normal Reproductive Cycle and Amenorrhea; Menopause, University of Rochester Medical Center
13. Endocrine-Metabolism Case Conference Present unusual and varying topics for academic and clinical discussion, University of Rochester Medical Center

Deborah Rib, M.D.

1. Resident lectures

Ivelisse Rivera, M.D.

1. Content developer for the Clinical Education Initiative MOOC “**Health promotion: a perspective for providers**” (currently under development and to appear in the course platform as a University of Rochester online course)

Joseph J. Scibetta, M.D.

1. Instructor for Advanced Laparoscopic Procedures to Residents and Fellow Attending

Neil S. Seligman, M.D.

1. Curricular Fellow Lectures: Cerclage
2. Resident Simulation: Doppler
3. Curricular Resident Lectures: Cerclage, Progesterone, PTL, PPRM
4. MMI Translational Research and Research Review

Shrenik Shah, M.Sc.

1. Demonstrating to students/fellows- icsi, fertilization, embryo grading, embryo transfer procedures and explain/teach basic science behind each steps taken in lab.

Rakesh K. Singh, Ph.D., MPhil

1. Co-supervisor: Nicole Romano, Graduate student, School of Pharmacy, University of Rhode Island

Rebecca Lynn Skovgaard, M.S.

1. Grand Rounds: URM Highland Hospital
2. Neonatal Resuscitation Program (NRP) Provider
3. American Heart Association Neonatal Resuscitation Program (NRP) Provider

Rajesh K. Srivastava, Ph.D.

1. Teaching and demonstration to medical students and visiting residents from Obstetrics and Gynecology about procedures related to In Vitro fertilization (IVF) and micromanipulation.
2. IVF review Course to third year medical students at URM

Christopher J. Stodgell, Ph.D.

1. Women's Health Clerkship Basic Science Section (Teratology), Lectures given quarterly.
2. Tox 522 Developmental Toxicology
3. Tox 530: Reproductive and Developmental Toxicology (Mechanisms of Gene Expression)
4. Tox 522: Organ Systems Toxicology (Developmental Gene Expression)
5. CSP 384 Research in Developmental Neuropsychology (Ethics in Reporting Data)

Jenney A. Stringer, M.S.N.

1. Adolescent Pregnancy for PNP students

Sajeena G. Thomas, M.D.

1. Medical and Surgical Management of Adnexal Masses, Resident Lecture, University of Rochester, NY
2. Tumor Board, Highland Hospital

Loralei L. Thornburg, M.D.

1. Disease Process & Therapy (DPT) Course instructor (2nd year medical school curriculum) Based on feedback from the students, asked to develop the block on obstetrics within the women's health block. -Responsible for creation and presentation of the entire obstetrical lecture section (4 hours). - During this series of lectures covering pregnancy from conception through parturition students are exposed to the unique nature of pregnancy including physiology, complications, and

medical management of pregnancy. - Development of on-line complimentary educational materials and videos for supplementation.

2. Emergency Medicine Lectures: Trauma in obstetrical patients, Management of non-obstetrical medical complications in pregnancy, Delivery in the ED, Management of obstetrical emergencies in the ED Creation of a series of online series of videos for review and education, Lecture series on obstetrical emergencies in the ED, Development and running simulation with emergency and obstetrical faculty and residents for skill development in obstetrical emergencies that commonly occur in the emergency room
3. Creation of obstetrical skills simulation program. Due to a need for competency based skills testing, we developed a simulation curriculum for Ob/Gyn. Under this system, residents receive pre-teaching and didactic discussion of skills, followed by simulation of these skills, at least twice per year. Additional ad hoc simulation is also available on the labor and delivery service. A comprehensive assessment for using simulated skills began in June 2012. Multidisciplinary simulation with emergency medicine and anesthesia for critical event simulation, and team-building on an annual basis. Maternal Fetal Medicine Fellow simulation in rare obstetrical events including CVS, amniocentesis, shunt placement, rescue cerclage, and B-lynch. Development of simulators related to these events.
4. Intern Lecture series: Maternal Physiology of Pregnancy Normal & Abnormal Labor First Trimester Vaginal Bleeding Fetal Heart Rate Interpretation
5. Neonatology Fellow Lectures Obstetrical management of the prematurity Fetal Therapy Hypertension in Pregnancy Hemolytic disease of the fetus and newborn Rheumatologic Disease in Pregnancy
6. Resident Lectures: Genetic screening Multiple Gestation Annual CREOG Review for Obstetrics Acute obstetrical ultrasound for the ob/gyn resident Acute evaluation of the obstetric patient Medical complications of pregnancy Obesity in Pregnancy Renal disease in pregnancy Preparing for the Oral Board examination
7. Medical Student Breast and Pelvic Teaching

Ellen J. Tourtelot, M.D.

1. Wrote Premature Ovarian Failure Protocol
2. Breast and Pelvic Exam Teaching for 2nd year medical students
3. Medical Student 3rd Year Clerkship Group Teaching Attending Physician, Obstetrics and Gynecology Continuity Clinic Department of Obstetrics and Gynecology Strong Memorial Hospital, University of Rochester School of Medicine Women's Health Practice -Oversee OBGYN residents caring for patients in an ambulatory practice. -Teaching development of a differential diagnosis, patient evaluation including physical exam and testing and treatment plan. - Review journal article prior to start of clinic. Help develop quizzes on the ambulatory curriculum articles.

Wendy S. Vitek, M.D.

1. Co-director, Fertility Preservation e-learn course, American Society for Reproductive Medicine
2. Birmingham, AL: 2016-present
3. Co-director, Inaugural Fellows Education Day, Oncofertility Consortium 7th Annual Conference
4. Chicago, IL: 2016
5. Director, Women's Health Course, Second year medical student course , University of Rochester School of Medicine and Dentistry
6. Co-director, Genes to Generations Course, Third year medical student course, University of Rochester School of Medicine and Dentistry

7. Disease process and therapeutics course, Ovulatory disorders, University of Rochester School of Medicine and Dentistry
8. Disease process and therapeutics course, Reproductive disorders, University of Rochester School of Medicine and Dentistry
9. Residency Laparoscopy and hysteroscopy simulation course instructor, University of Rochester Medical Center
10. Basic Science Lecturer/Preceptor for student presentations for 3rd year clerkship; New Directions in Reproductive Medicine, University of Rochester School of Medicine and Dentistry
11. Thursday Didactics Lectures for 3rd year clerkship; Infertility: Diagnosis and Treatment; Secondary Amenorrhea, University of Rochester School of Medicine and Dentistry
12. Residency Core lecture series on Endocrinology of Pregnancy; Female Infertility Evaluation; Primary Amenorrhea; Galactorrhea; PCOS; and Mullerian Anomalies, University of Rochester Medical Center
13. Endocrine Core Conference Lecture Series Female Infertility; The Normal Reproductive Cycle and Amenorrhea; Menopause, University of Rochester Medical Center
14. Endocrine-Metabolism Case Conference Present unusual and varying topics for academic and clinical discussion, University of Rochester Medical Center

Natalie Sue Whaley, M.D., M.P.H.

1. Medical Humanities Seminar, first year medical students, URM Medical School.
2. Attending Physician, Department of Obstetrics and Gynecology. Supervise residents and medical students in outpatient and inpatient setting providing general obstetric and gynecologic services. Provide training for residents and medical students in the gynecologic operating room, labor and delivery and in the ambulatory setting.
3. Family Planning service-includes teaching pregnancy options counseling, sexually transmitted disease counseling and screening, contraceptive counseling, evaluation of patients for first and second trimester abortion planning, evaluation of patients for moderate sedation, first trimester ultrasound, office paracervical block and osmotic dilator placement, first and second trimester abortions, IUD and implant insertions, office first trimester abortion. Serve as core faculty for 2 week Family Planning elective (approximately 10 students each year) and a Medical Student for Choice elective (approximately 1-3 students for 2-6 weeks each summer). Creation of up-to-date evidence based protocol for cervical preparation for second trimester abortion for Family Planning Service at Women's Health Practice
4. Medical student didactics: Postmenopausal Bleeding, Menopause, Hormone Replacement Therapy, Antenatal and Intra-partum Fetal Assessment, Contraception and Vaginitis, Vaginal Bleeding in Early Pregnancy
5. Guest Lecturer, Rochester Institute of Technology, Family Planning curriculum for third year physician assistant students

James R. Woods, Jr., M.D.

1. Senior Editor in chief of periFACTS OB/GYN Academy, an on line publishing company in the Department of ob/gyn reaching over 13,000 nurses and physicians monthly.

GRANT SUPPORT

This is a list of the current active grants in the Ob/Gyn department. Grants are included if the budget year begins during the report year, or if the project ends in the report year, and if the PI is a faculty member.

Principal Investigator: **Barrett, Emily S**

Sponsor: Mae Stone Goode
Title: Prenatal Androgens and PCOS
Dates: 1/1/2012 - 12/31/2017
Direct Funds: \$13,043
Indirects: \$1,956
Total Funding: \$14,999

Principal Investigator: **Barrett, Emily S**

Sponsor: Mae Stone Goode
Title: Environmental Chemicals, Hormones and Ovary Study
Dates: 4/1/2015 - 12/31/2017
Direct Funds: \$2,084
Indirects: \$313
Total Funding: \$2,397

Principal Investigator: **Barrett, Emily S**

Sponsor: Mt. Sinai School of Medicine (Icahn SOM)
Title: Phthalate exposure and gender-related development
Dates: 5/1/2015 - 1/31/2018
Direct Funds: \$211,189
Indirects: \$112,249
Total Funding: \$323,438

Principal Investigator: **Barrett, Emily S**

Sponsor: DHHS/PHS/NIH
Title: Prenatal anxiety, androgens and sex-dependent development
Dates: 9/1/2015 - 5/31/2020
Direct Funds: \$1,733,360
Indirects: \$890,616
Total Funding: \$2,623,976

Principal Investigator: **Barrett, Emily S**

Sponsor: UNIV/New York
Title: NYU Pediatric Obesity, Metabolism and Kidney Cohort Center - UR Study Center
Dates: 9/21/2016 - 8/31/2017
Direct Funds: \$255,677
Indirects: \$138,043
Total Funding: \$393,720

Principal Investigator: **Barrett, Emily S**

Sponsor: UNIV/Washington

Title: Prenatal and Early Childhood Pathways To Health: An Integrated Model of Chemical and Social Exposures, Biological Mechanisms, and Sex-Specific Effects
Dates: 9/21/2016 - 8/31/2023
Direct Funds: \$318,785
Indirects: \$172,130
Total Funding: \$490,915

Principal Investigator: **Betstadt, Sarah J**
Sponsor: Mae Stone Goode
Title: SPARED: Scheduled Prophylactic Anti-Emetics for Reduction of Emesis with Doxycycline
Dates: 1/1/2015 - 12/31/2017
Direct Funds: \$23,086
Indirects: \$3,464
Total Funding: \$26,550

Principal Investigator: **Betstadt, Sarah J**
Sponsor: UNIV/Washington, St. Louis
Title: Levnorgestrel Intrauterine System for Emergency Contraception
Dates: 5/1/2015 - 3/14/2017
Direct Funds: \$11,500
Indirects: \$0
Total Funding: \$11,500

Principal Investigator: **Bhagavath, Balasubramanian**
Sponsor: Hologic, Inc.
Title: Global Endometrial Ablation Database
Dates: 5/20/2013 - 5/19/2019
Direct Funds: \$195,321
Indirects: \$57,096
Total Funding: \$252,417

Principal Investigator: **Bhagavath, Balasubramanian**
Sponsor: Acessa Health, Inc.
Title: Treatment Results of Uterine Sparing Technologies (TRUST)
Dates: 4/4/2016 - 4/30/2024
Direct Funds: \$1,065,750
Indirects: \$316,005
Total Funding: \$1,381,755

Principal Investigator: **Bonham, Adrienne D**
Sponsor: Mae Stone Goode
Title: Novel therapies for the treatment of genital pain
Dates: 1/1/2013 - 12/31/2017
Direct Funds: \$16,695
Indirects: \$2,505
Total Funding: \$19,200

Principal Investigator: **Buchsbaum, Gunhilde**
Sponsor: Mae Stone Goode
Title: Ultrasound Findings of Urethral Sphincter Complex in Women With and Without Stress Urinary Incontinence: A Case Control Study
Dates: 2/1/2005 - 12/31/2017
Direct Funds: \$8,755
Indirects: \$1,313
Total Funding: \$10,068

Principal Investigator: **Buchsbaum, Gunhilde**
Sponsor: Mae Stone Goode
Title: Female urethral sphincter complex: a validation study comparing three & four dimension ultrasound and magnetic resonance imaging
Dates: 1/1/2012 - 12/31/2016
Direct Funds: \$10,000
Indirects: \$1,500
Total Funding: \$11,500

Principal Investigator: **Doyle, Paula J**
Sponsor: Coloplast
Title: Novel laparoscopic and vaginal dissection in a cadaver model
Dates: 3/15/2014 - 8/31/2016
Direct Funds: \$1,500
Indirects: \$- 0
Total Funding: \$1,500

Principal Investigator: **Doyle, Paula J**
Sponsor: Tribute Pharmaceuticals Inc
Title: Pilot study to pursue new applications for intravesical chondroitin sulfate with the trade name Uracyst
Dates: 3/1/2016 - 2/28/2021
Direct Funds: \$0
Indirects: \$0
Total Funding: \$0

Principal Investigator: **Doyle, Paula J**
Sponsor: Mae Stone Goode
Title: Prevention of acute radiation cystitis with intravesical chondroitin sulfate
Dates: 1/1/2013 - 12/31/2016
Direct Funds: \$8,246
Indirects: \$1,237
Total Funding: \$9,483

Principal Investigator: **Dye, Timothy D**
Sponsor: Health Research Inc
Title: Web Resources for Expanded HIV Testing NYS
Dates: 1/1/2014 - 12/31/2017
Direct Funds: \$158,334
Indirects: \$31,666

Total Funding: \$190,000

Principal Investigator: **Dye, Timothy D**
Sponsor: NYS/AIDS Institute
Title: Component C: Resource Center for Excellence
Dates: 7/1/2014 - 6/30/2019
Direct Funds: \$2,477,240
Indirects: \$246,811
Total Funding: \$2,724,051

Principal Investigator: **Dye, Timothy D**
Sponsor: Mae Stone Goode
Title: Enhancing Clinical and Translational Research in Maternal Fetal Health Through Development of a Birth-Related Tissue Repository
Dates: 1/1/2015 - 12/31/2017
Direct Funds: \$66,633
Indirects: \$9,995
Total Funding: \$76,628

Principal Investigator: **Dye, Timothy D**
Sponsor: Pfizer Inc
Title: Electronic Health Record (EHR) - Enhanced Clinical Communication and Quality-of-Life Improvement in Managing Menopausal Vasomotor Symptoms (MVS)
Dates: 11/1/2014 - 10/31/2017
Direct Funds: \$390,625
Indirects: \$109,375
Total Funding: \$500,000

Principal Investigator: **Dye, Timothy D**
Sponsor: Worldwide Universities Network
Title: Data Diplomacy: Political & Social Dimensions of Data Collection & Sharing
Dates: 1/1/2015 - 12/31/2016
Direct Funds: \$15,278
Indirects: \$0
Total Funding: \$15,278

Principal Investigator: **Dye, Timothy D**
Sponsor: DHHS/PHS/NIH
Title: MundoComm: ICT for Maternal Health in Costa Rica and Latin America
Dates: 5/18/2015 - 4/30/2018
Direct Funds: \$368,589
Indirects: \$17,250
Total Funding: \$385,839

Principal Investigator: **Dye, Timothy D**
Sponsor: Health Research Inc
Title: Linkage Retention and Treatment Adherence

Dates: 4/1/2015 - 3/31/2017
Direct Funds: \$173,094
Indirects: \$16,910
Total Funding: \$190,004

Principal Investigator: **Dye, Timothy D**
Sponsor: NYS/AIDS Institute
Title: PrEP Detailing for Health Care Providers
Dates: 10/1/2016 - 11/30/2017
Direct Funds: \$454,545
Indirects: \$45,455
Total Funding: \$500,000

Principal Investigator: **Dye, Timothy D**
Sponsor: DHHS/PHS/CDC
Title: Rochester Prevention Research Center - SIP 14-021 Dye
Dates: 9/30/2014 - 9/29/2018
Direct Funds: \$714,285
Indirects: \$285,715
Total Funding: \$1,000,000

Principal Investigator: **Dye, Timothy D**
Sponsor: DHHS/PHS/CDC
Title: Rochester Prevention Research Center - SIP 14-021 Dye (Pacific Project)
Dates: 9/30/2016 - 9/29/2018
Direct Funds: \$65,561
Indirects: \$9,439
Total Funding: \$75,000

Principal Investigator: **Dye, Timothy D**
Sponsor: DHHS/PHS/CDC
Title: NRSA Training Core
Dates: 8/15/2016 - 5/31/2020
Direct Funds: \$2,370,295
Indirects: \$189,624
Total Funding: \$2,559,919

Principal Investigator: **Foster, David C**
Sponsor: DHHS/PHS/NIH
Title: Localized vulvodynia pathogenesis: fibroblast, yeast & melanocortin
Dates: 8/1/2012 - 10/31/2017
Direct Funds: \$1,003,680
Indirects: \$543,410
Total Funding: \$1,547,090

Principal Investigator: **Glantz, John Christopher**
Sponsor: NYS/Health
Title: Regional Perinatal Center
Dates: 4/1/2014 - 3/31/2019

Direct Funds: \$1,175,309
Indirects: \$0
Total Funding: \$1,175,309

Principal Investigator: **Glantz, John Christopher**
Sponsor: NYS/Health
Title: Regional Perinatal Center - COLA
Dates: 4/1/2014 - 3/31/2019
Direct Funds: \$94,760
Indirects: \$0
Total Funding: \$94,760

Principal Investigator: **Gray, Lisa**
Sponsor: Mae Stone Goode
Title: Peripheral blood mononuclear cells to determine the response of pregnant women to influenza and tetanus vaccination
Dates: 2/1/2014 - 12/31/2016
Direct Funds: \$12,286
Indirects: \$1,842
Total Funding: \$14,128

Principal Investigator: **Harrington, Amy**
Sponsor: Ob/Gyn Dept. Pilot
Title: EQUATE- Evaluating Quantity of Antenatal Transplacental Cell Exchange
Dates: 7/1/2016 - 6/30/2018
Direct Funds: \$10,000
Indirects: \$0
Total Funding: \$10,000

Principal Investigator: **Hoeger, Kathleen M**
Sponsor: Mae Stone Goode
Title: Defining the Impact of Polycystic Ovary Syndrome on Sleep Quality and Melatonin Levels
Dates: 1/1/2016 - 12/31/2017
Direct Funds: \$13,044
Indirects: \$1,956
Total Funding: \$15,000

Principal Investigator: **Hoeger, Kathleen M**
Sponsor: UNIV/Penn State
Title: Ancillary Site for Reproductive Medicine Network
Dates: 4/1/2016 - 6/30/2017
Direct Funds: \$122,220
Indirects: \$65,388
Total Funding: \$187,608

Principal Investigator: **Hoeger, Kathleen M**
Sponsor: UNIV/Yale

Title: RMN Studies: ACTorNOT, FIT-Plese, RMN Repository
Dates: 4/11/2016 - 11/30/2017
Direct Funds: \$187,854
Indirects: \$9,782
Total Funding: \$197,636

Principal Investigator: **Lee, Toy G**
Sponsor: Mae Stone Goode
Title: Cannabinoid Agonist as a Treatment for Cyclophosphamide Induced Cystitis in Mouse Bladder
Dates: 1/1/2017 - 12/31/2017
Direct Funds: \$11,300
Indirects: \$1,695
Total Funding: \$12,995

Principal Investigator: **Link, Heather M**
Sponsor: Mae Stone Goode
Title: Utilizing MHealth to Improve Diabetes in an Obstetric Population
Dates: 1/1/2017 - 12/31/2017
Direct Funds: \$2,571
Indirects: \$386
Total Funding: \$2,957

Principal Investigator: **Lynch, Tara A**
Sponsor: Mae Stone Goode
Title: Correlating Placental Villitis and HPV Infection in Pregnancy with Risk for Spontaneous Preterm Delivery
Dates: 1/1/2017 - 12/31/2017
Direct Funds: \$12,000
Indirects: \$1,800
Total Funding: \$13,800

Principal Investigator: **Miller, Lauren A**
Sponsor: Mae Stone Goode
Title: Analysis of Gadolinium in the Human Placenta in Women with Prior MRI with and without Gadolinium-based Contrast Prior to Conception
Dates: 1/1/2016 - 12/31/2017
Direct Funds: \$12,992
Indirects: \$1,948
Total Funding: \$14,940

Principal Investigator: **Miller, Lauren A**
Sponsor: Ob/Gyn Dept. Pilot
Title: Association between Sleep Duration, Adipocytokine & Ghrelin Levels and Maternal Weight Gain in Pregnancy
Dates: 7/1/2016 - 6/30/2017
Direct Funds: \$6,000
Indirects: \$0
Total Funding: \$6,000

Principal Investigator: **Miller, Morton W**
Sponsor: Mae Stone Goode
Title: Hyperthermic Chemical Synergistic Teratogenicity
Dates: 2/1/2014 - 12/31/2017
Direct Funds: \$13,043
Indirects: \$1,957
Total Funding: \$15,000

Principal Investigator: **Miller, Richard Kermit**
Sponsor: Org. of Teratology Information Specialist
Title: The OTIS/Mother to Baby Reproductive and Environmental Health Network
Dates: 9/1/2014 - 8/31/2017
Direct Funds: \$182,000
Indirects: \$0
Total Funding: \$182,000

Principal Investigator: **Moore, Richard G**
Sponsor: Mae Stone Goode
Title: Determining the Role of HE4 in Immune Dysfunction in Epithelial Ovarian Cancer
Dates: 1/1/2016 - 12/31/2017
Direct Funds: \$13,030
Indirects: \$1,955
Total Funding: \$14,985

Principal Investigator: **Moore, Richard G**
Sponsor: Angle, Ltd.
Title: Parasortix CTC separation machine; Unfunded agreement between Angle Ltd and University of Rochester
Dates: 1/1/2016 - 12/31/2016
Direct Funds: \$0
Indirects: \$0
Total Funding: \$0

Principal Investigator: **Moore, Richard G**
Sponsor: Fujirebio Diagnostics, Inc
Title: Targeted Therapeutics Laboratory for Gynecologic Cancers
Dates: 3/25/2016 - 9/28/2017
Direct Funds: \$57,371
Indirects: \$20,080
Total Funding: \$77,451

Principal Investigator: **Moore, Richard G**
Sponsor: Angle, Ltd.
Title: Evaluation of Multiple Protein Biomarkers to Estimate Risk of Cancer in Gynecology Patients Presenting with a Pelvic Mass
Dates: 4/15/2016 - 4/14/2018

Direct Funds: \$91,523
Indirects: \$27,457
Total Funding: \$118,980

Principal Investigator: **Moore, Richard G**
Sponsor: Mary Kay Ash Fnd
Title: The role of HE4 in Immunity, Chemotaxis and Immune Dysfunction in Ovarian Cancer
Dates: 7/1/2016 - 6/30/2018
Direct Funds: \$86,956
Indirects: \$13,044
Total Funding: \$100,000

Principal Investigator: **Moore, Richard G**
Sponsor: The Marsha Rivkin Center for Ovarian Cancer Research
Title: Targeting HE4 for checkpoint Immunotherapy of ovarian cancer
Dates: 4/1/2017 - 3/31/2018
Direct Funds: \$75,000
Indirects: \$0
Total Funding: \$75,000

Principal Investigator: **Moore, Richard G**
Sponsor: AstraZeneca
Title: IGYO16111 A single arm, open-label, Phase IIb study to assess the efficacy and safety of the combination of cediranib and olaparib tablets in women w/
Dates: 10/1/2016 - 3/31/2018
Direct Funds: \$181,538
Indirects: \$54,462
Total Funding: \$236,000

Principal Investigator: **Moore, Richard G**
Sponsor: UNIV/Texas/Anderson Cancer Ctr
Title: MD Anderson Cancer Center EDNR-CVC for Early Detection of Ovarian Cancer
Dates: 5/5/2016 - 3/31/2018
Direct Funds: \$35,942
Indirects: \$19,318
Total Funding: \$55,260

Principal Investigator: **Moore, Richard G**
Sponsor: Tesaro, Inc.
Title: A Phase 3, Randomized, Double-Blind, Placebo-Controlled, MC Study of Niraparib Maintenance Treatment in Patients W/ Advanced Ovarian Cancer Following
Dates: 5/18/2017 - 7/1/2022
Direct Funds: \$654,938
Indirects: \$196,482
Total Funding: \$851,420

Principal Investigator: **Murphy, Shawn P**
Sponsor: DHHS/PHS/NIH
Title: Mechanisms of placental infection by food-borne pathogens
Dates: 7/15/2012 - 6/30/2017
Direct Funds: \$1,668,374
Indirects: \$430,169
Total Funding: \$2,098,543

Principal Investigator: **Murphy, Shawn P**
Sponsor: Mae Stone Goode
Title: Imagining the Human Placental and Extracellular Matrix
Dates: 1/1/2015 - 12/31/2017
Direct Funds: \$16,035
Indirects: 2,405
Total Funding: \$18,441

Principal Investigator: **Murphy, Shawn P**
Sponsor: Mae Stone Goode
Title: Generation of recombinant Zika virus expressing green fluorescence protein for studies of infection in the human placenta
Dates: 1/1/2017 - 12/31/2017
Direct Funds: \$10,435
Indirects: \$1,565
Total Funding: \$12,000

Principal Investigator: **Nasso, Jacqueline Terese**
Sponsor: March of Dimes
Title: Gestational Diabetes: The Effect of a Group Prenatal Care Program on Knowledge, Empowerment and Patient Outcomes (GDGPCP)
Dates: 9/1/2015 - 12/31/2017
Direct Funds: \$2,130
Indirects: \$0
Total Funding: \$2,130

Principal Investigator: **Olson-Chen, Courtney**
Sponsor: Mae Stone Goode
Title: Lymphocytic Choriomeningitis Virus Infection of the Human Placenta across Gestation
Dates: 1/1/2016 - 12/31/2017
Direct Funds: \$13,000
Indirects: \$1,950
Total Funding: \$14,950

Principal Investigator: **Pressman, Eva K**
Sponsor: UNIV/Rutgers
Title: Prenatal anxiety, androgens and sex-dependent development
Dates: 3/1/2017 - 5/31/2020

Direct Funds: \$878,073
Indirects: \$473,468
Total Funding: \$1,351,541

Principal Investigator: **Pressman, Eva K**
Sponsor: Mae Stone Goode
Title: The indentification of a DNA viability window for the use of formalin-fixed paraffin-embedded tissue in comparative genomic hybrid micro
Dates: 7/1/2014 - 12/31/2016
Direct Funds: \$8,519
Indirects: \$1,278
Total Funding: \$9,797

Principal Investigator: **Seligman, Neil S**
Sponsor: PreTel Inc.
Title: Clinical Efficacy of an EMG/ECG Fetal Monitor
Dates: 4/20/2016 - 4/20/2018
Direct Funds: \$5,769
Indirects: \$1,731
Total Funding: \$7,500

Principal Investigator: **Seligman, Neil S**
Sponsor: Mae Stone Goode
Title: Cost Effectiveness of Cervical Length Screening Using Transvaginal Ultrasound to Prevent Preterm Birth in Women with a History of Prior Spontaneous Pr
Dates: 3/1/2014 - 12/31/2016
Direct Funds: \$9,365
Indirects: \$955
Total Funding: \$10,320

Principal Investigator: **Singh, Rakesh K**
Sponsor: Mae Stone Goode
Title: Identification of a novel septin-2 inhibitor for the treatment of epithelial ovarian cancer (EOC) via high throughput screening (HTS)
Dates: 1/1/2017 - 12/31/2017
Direct Funds: \$13,044
Indirects: \$1,956
Total Funding: \$15,000

Principal Investigator: **Singh, Rakesh K**
Sponsor: Ob/Gyn Dept. Pilot
Title: Cannaboid Agonist as treatment for Cyclophosphamide Induced Cystitis in Mouse Bladder
Dates: 7/1/2016 - 6/30/2017
Direct Funds: \$10,000
Indirects: \$0
Total Funding: \$10,000

Principal Investigator: **Srivastava, Rajesh K**
Sponsor: Mae Stone Goode
Title: Effects of Bisphenol A and Phthalates on Human Ovarian Granulosa Cell Steroidogenesis
Dates: 3/1/2014 - 12/31/2017
Direct Funds: \$18,000
Indirects: \$2,700
Total Funding: \$20,700

Principal Investigator: **Stahlhut, Richard W**
Sponsor: Mae Stone Goode
Title: The effects of bariatric surgery on levels of persistent organic pollutants in women of childbearing age
Dates: 3/16/2011 - 12/31/2016
Direct Funds: \$26,088
Indirects: \$3,912
Total Funding: \$30,000

Principal Investigator: **Stodgell, Christopher J**
Sponsor: Mae Stone Goode
Title: Gene-Environment Interactions in Teratogen-Induced Autism
Dates: 1/1/2010 - 12/31/2017
Direct Funds: \$24,529
Indirects: \$3,679
Total Funding: \$28,208

Principal Investigator: **Thornburg, Lorelei Lacina**
Sponsor: UNIV/SUNY-Buffalo
Title: Comparing gabapentin, ondansetron and placebo in treating hyperemesis gravidarum
Dates: 1/5/2014 - 12/31/2017
Direct Funds: \$177,856
Indirects: \$94,116
Total Funding: \$271,972

Principal Investigator: **Thornburg, Lorelei Lacina**
Sponsor: MCIC Vermont, Inc.
Title: Improving Documentation for Critical Ob Events
Dates: 1/1/2017 - 12/31/2017
Direct Funds: \$30,000
Indirects: \$0
Total Funding: \$30,000

Principal Investigator: **Thornburg, Lorelei Lacina**
Sponsor: MCIC Vermont, Inc.
Title: Neonatal Neurological Injury Review
Dates: 1/1/2017 - 12/31/2017
Direct Funds: \$30,000
Indirects: \$0

Total Funding: \$30,000

Principal Investigator: **Thornburg, Lorelei Lacina**
Sponsor: Mae Stone Goode
Title: Brain Development in Infants of Diabetic Mothers as Measured by Neonatal EEG
Dates: 1/1/2017 - 12/31/2017
Direct Funds: \$12,514
Indirects: \$1,877
Total Funding: \$14,391

Principal Investigator: **Thornburg, Lorelei Lacina**
Sponsor: Mae Stone Goode
Title: Postpartum testing for diabetes mellitus in women with gestational diabetes mellitus
Dates: 1/1/2010 - 12/31/2016
Direct Funds: \$14,000
Indirects: \$2,100
Total Funding: \$16,100

Principal Investigator: **Tourtlot, Ellen**
Sponsor: Ob/Gyn Dept. Pilot
Title: Risk Assessment of breakthrough varicella infection in Varicella-immunized women of childbearing age
Dates: 7/1/2016 - 6/30/2017
Direct Funds: \$9,977
Indirects: \$0
Total Funding: \$9,977

Principal Investigator: **Towner, Mary**
Sponsor: Ob/Gyn Dept. Pilot
Title: Assessment of a Gynecologic Surgery Simulation model
Dates: 7/1/2016 - 9/30/2017
Direct Funds: \$3,500
Indirects: \$0
Total Funding: \$3,500

Principal Investigator: **Vitek, Wendy S**
Sponsor: Assoc of Prof of Gyn & Ob Med Educ Fnd
Title: Adapt: a novel serious game to teach or review maternal and fetal physiology
Dates: 8/1/2016 - 4/30/2018
Direct Funds: \$14,961
Indirects: \$0
Total Funding: \$14,961

Principal Investigator: **Whaley, Natalie**
Sponsor: Anonymous
Title: Fellowship in Family Planning

Dates: 7/1/2016 - 6/30/2018
Direct Funds: \$99,910
Indirects: \$0
Total Funding: \$99,910

Principal Investigator: **Whaley, Natalie**
Sponsor: Ob/Gyn Dept. Pilot
Title: Family Planning in the US Affiliated Pacific Islands: A Rapid Assessment Procedure

Dates: 7/1/2016 - 9/30/2017
Direct Funds: \$10,000
Indirects: \$0
Total Funding: \$10,000

HONORS AND AWARDS

Cynthia L. Angel, M.D.

1. "Exceptional Women In Medicine- 2017" - Castle Connolly
2. Howard J. Berman Prize - Howard Berman Prize Committee, Rochester, NY
3. America's Top Oncologist
4. America's Top Doctors in Gynecologic Oncology - U.S. News in partnership with Castle Connolly Medical Ltd.
5. America's Top Oncologists - Consumer's Research Council of America
6. America's Top Oncologist - SLD Industries, Inc.

Amy R. Benjamin, M.D.

1. Designee, Center of Excellence in Minimally Invasive Gynecology - AAGL
2. Strong Star Certificates of Appreciation - University of Rochester Medical Center

Sarah J. Betstadt, M.D., M.P.H.

1. Mae Stone Goode Grant (second grant 10/2016) The SPARED trial, PI: Betstadt, Scheduled Prophylactic Antibiotics for Reduction of Emesis with Doxycycline, second grant awarded to pursue serum doxycycline levels of samples taken during trial
2. Alpha Omega Alpha Medical Honor Society

Adrienne D. Bonham, M.D., M.S.

1. Beta Gamma Sigma - International business school honor society
2. Alpha Omega Alpha Medical Honor Society

Gunhilde Marianne Buchsbaum, M.D., M.B.A.

1. COMIG recognition as Surgeon of Excellence in Minimally Invasive Gynecologic Surgery - COMIG - 2013-2016

Kristen E. Burhans, M.D.

1. 2016 AAP District Education Grant "Simulation-based Regional Training of Pre-hospital First Responders on Infant Delivery and Stabilization"
2. AACIP 2017 Patient Safety Awards Program Grant "URMC Affiliate Outreach to Optimize Development of Interprofessional Shoulder Dystocia Simulation-Based Training for Neonatal Injury Prevention"

Brent DuBeshter, M.D.

1. US News Top Doctor Recognition
2. Americas Top Oncologists - Consumer Research Council of America

Timothy De Ver Dye, Ph.D.

1. Fellow and Chartered Geographer - Royal Geographic Society, London, UK
2. Elected Fellow of the American College of Epidemiology

J. Christopher Glantz, M.D., M.P.H.

1. Dr. L. Stanley James Award - New York State Perinatal Association, Albany, NY - 2017

Kathleen M. Hoeger, M.D., M.P.H.

1. ASRM Star Award

Vivian Lewis, M.D.

1. University of Rochester Minority Student Advisory Board's Mary McLeod Bethune Faculty/Staff Award

Mitchell A. Linder, M.D.

1. Marinoff Career development award

Lioudmila V. Lipetskaia, M.D., M.Sc.

1. Strong Stars

Richard K. Miller, Ph.D.

1. Agnish Fellowship for Outstanding Contributions to Teratology Education - Teratology Society
2. Senior International Award in Placentology - International Federation of Placenta Associations, Portland, Oregon
3. Fellow, Academy of Toxicological Sciences - Academy of Toxicological Sciences
4. Scientific Review Board, NIH TERIS

Jaclyn Erin Morrison, M.D.

1. Alpha Omega Alpha Honor Society

Katrina F. Nicandri, M.D.

1. Alpha Omega Alpha inducted
2. Bronze Star, University of Rochester, Strong Memorial Hospital

Colby A. H. Previte, M.D.

1. ACOG Mentor Award - American College of Obstetricians and Gynecologists, Washington, D.C.

2. Commendation for Excellence in Third Year Teaching - School of Medicine and Dentistry, Class of 2018, University of Rochester

Neil S. Seligman, M.D.

1. Strong Star

Sajeena G. Thomas, M.D.

1. Patient's Choice and Compassionate Doctor Award - Vitals.com

Ellen J. Tourtelot, M.D.

1. Quality & Safety Certificate of Recognition - Quality of Care Committee, University of Rochester

Wendy S. Vitek, M.D.

1. Early Career Women Faculty Professional Development Seminar - American Association for Medical Colleges, Denver, Colorado

Natalie Sue Whaley, M.D., M.P.H.

1. National Faculty Award for Resident Education - Council on Residency Education in Obstetrics and Gynecology, University of Rochester

James Robert Woods, Jr., M.D.

1. Community Champion - The Perinatal Network of Monroe County, Inc., Rochester, NY
2. Guide to America's Top Obstetricians and Gynecologists - SLD Industries
3. Who's Who in Medicine and Healthcare
4. Who's Who Among America's Teachers
5. Recertified in 2017 for three years for Menopause Medicine.

PRESENTATIONS AT NATIONAL AND REGIONAL MEETINGS

Emily S. Barrett, Ph.D.

1. Barrett, ES. Prenatal stress exposures and sex dependent development in early childhood: an adaptive perspective. Oral presentation at the Organization for the Study of Sex Differences meeting, Montreal, CA. - 6/1/2017
2. Barrett, ES. Understanding Pregnancy Signals and Infant Development (UPSIDE) Study. Invited presentation to the Human Exposures and Outcomes Core, Center for Environmental Exposures and Diseases (CEED), Rutgers University, Piscataway, NJ. - 4/1/2017
3. Perez-Ramos, J, McIntosh, S, Velez Vega, CM, Barrett, ES, Dye, TDV. mZAP (Zonas, Accion y Proteccion): Empowering communities with mobile strategies for mosquito-borne disease control in tropical environments. Poster presentation at the Translational Science meeting, Washington, D.C.. - 4/1/2017
4. Barrett, ES. Endocrine disruptors, stress, and pregnancy. Invited seminar. Harvard T.H. Chan School of Public Health, Boston, MA. - 3/1/2017
5. Vitek, W, Barrett, ES, Hoeger, K, Diamond, M, Cedars, M, and Steiner, A. Psychological stress and ovarian reserve among women with unexplained infertility. Oral presentation at the American Society for Reproductive Medicine meeting, Salt Lake City, UT. - 10/1/2016
6. Pilato, A, Vitek, W, Hoeger, K, and Barrett, ES. Knowledge, attitudes, and behaviors related to environmental chemical exposure among women seeking fertility care. Poster presentation at the American Society for Reproductive Medicine meeting, Salt Lake City, UT. - 10/1/2016
7. Barrett, ES. Prenatal stress and developmental endpoints in animal and human models. Invited oral presentation at the Society for Behavioral Neuroendocrinology meeting, Montreal, Canada - 8/1/2016

Amy R. Benjamin, M.D.

1. American Association of Gynecologic Laparoscopists (AAGL) 45th Global Congress Meeting, Orlando, FL "Post-operative Urinary Retention Decreases with Backfill of Urinary Bladder in the Operating Room" Scientific Virtual Poster - 11/2016
2. International Pelvic Pain Society (PPS) Annual Meeting, Chicago, Illinois "Interdisciplinary Care in Pelvic Pain" Roundtable discussion - 10/2016

Sarah J. Betstadt, M.D., M.P.H.

1. Invited Speaker, Contraceptive Conundrums, Baystate Medical Center, Springfield, MA - 10/2016
2. Guest Lecturer, Rochester Institute of Technology, Family Planning curriculum for third year physician assistant students - 3/2012-Present
3. Stefanie J. Hollenbach, MD, MS, Amy Harrington MD, Hillary Rich, Emilie C Wasserman, MD, Natalie Whaley MD, MPH, Sarah Betstadt MD, MPH. Evaluating Quantity of Antenatal Transplacental Cell Exchange: The EQUATE Study. Poster presentation, 2017 Society of Maternal Fetal Medicine, Las Vegas, NV. - 1/2017

Balasubramanian Bhagavath, M.D.

1. Speaker on "Electromechanical Morcellation - Is it Dead or Alive?", New England Obstetrical and Gynecological Society 88th Annual Spring Meeting. Sturbridge, MA, April 2017 - 4/2017
2. Speaker on "Examining the Evidence for Adverse Outcomes for Morcellation", The American Congress of Obstetricians & Gynecologists (ACOG) District II Annual Upstate Meeting. Verona, NY, April 2017 - 4/2017
3. Speaker on "Does velocity of expulsion of the embryos make a difference to success rates?" 2nd World Congress on embryo transfer and intrauterine insemination, Heritance Ahungalla, Sri Lanka, December 10, 2016 - 12/2016
4. Speaker on "Vaginal Incubation". 2nd World Congress on embryo transfer and heritance intrauterine insemination, Ahungalla, Sri Lanka, December 10, 2016 - 12/2016
5. Speaker on "Impact of endometrioma on ovarian responsiveness and oocyte quality: Insights from IVF cycles". Life 2016 Conference, Bangalore, India, November 6, 2016 - 11/2016
6. Speaker on "Vaginal Incubation". Life 2016 Conference, Bangalore, India, November 6, 2016 - 11/2016
7. Speaker on "Suboptimal responders in COH: Are they overlooked?" Life 2016 Conference, Bangalore, India, November 6, 2016 - 11/2016
8. Roundtable Discussion Moderator "Surgical Management of Large Uterine Myoma", ASRM 2016 Annual Meeting, Salt Lake City, Utah, October 2016 - 10/2016
9. Moderator for Oral Abstract session on Reproductive Surgery, ASRM 2016 Annual Meeting, Salt Lake City, Utah, October 2016 - 10/2016

Kristen E. Burhans, M.D.

1. New York State Perinatal Association Poster Presentation "Development of a Multicenter Interprofessional Shoulder Dystocia Simulation-Based Training Program for Neonatal Injury Prevention"

Jorge F. Carrillo, M.D.

1. Director of "Abdomino Pelvic anatomy review" for "Back to Basic Science Curriculum" Anatomy curriculum for 3rd year medical students of the University of Rochester. Included cadaveric dissections, laboratory and a half-day course to review relevant abdominopelvic anatomy with clinical correlation applied to Ob/Gyn. This course is done 4 times/year, 08/2014. - 12/1/2014-Present
2. "Simulation day for residents". Supervisor at the laparoscopic skills station. - 8/1/2013-Present

Kathryn J. Drennan, M.D.

1. Medical Marijuana Use: a natural experiment from prohibition to access, SMFM, Las Vegas, January 2017.

Brent DuBeshter, M.D.

1. S.A. Ackroyd, K. Altobelli, C. Angel, S.G. Thomas and B. DuBeshter. University of Rochester Medical Center, Rochester, NY, USA 47th Annual SGO Meeting, 2016

Erin E. Duecy, M.D.

1. URM C Department of Surgery Grand Rounds: Pursing Excellence: How ACGME is Innovating within our Clinical Learning Environment. Erin E. Duecy, MD, Flavia Nobay, MD, Sarah E. Peyre, EdD. - 11/2016
2. Geriatric Incontinence. Annual lecture for URM C Geriatric Fellows. - 2012-Present

Lisa M. Gray, M.D.

1. To Screen or Not To Screen: Testing Conundrums in Clinical Obstetrics. Grand Rounds Presentation. Department of Obstetrics and Gynecology, Rochester General Hospital. Rochester, NY. - 9/15/2016
2. Vaginal Breech Delivery. OB/Gyn MFM Fellow Didactic. University of Rochester Medical Center. Rochester, NY. - 9/8/2016
3. Neil S Seligman, MD MS, Lisa Gray, MD, Lorelei L Thornburg, MD and Richard Wissler, MD Unscheduled Cesarean Section: Interval to delivery
4. Optimal timing of delivery in preterm premature rupture of membranes: a decision-analytic model beyond 34 weeks.

Amy Robinson Harrington, M.D.

1. Stefanie J. Hollenbach, MD, MS, Amy Harrington MD, Hillary Rich, Emilie C Wasserman, MD, Natalie Whaley MD, MPH, Sarah Betstadt MD, MPH. Evaluating Quantity of Antenatal Transplacental Cell Exchange: The EQUATE Study. Poster presentation, 2017 Society of Maternal Fetal Medicine, Las Vegas, NV. - 1/2017
2. Invited Speaker, "STI's in Pregnancy", 2017 STI Conference-STD Training Center, Niagara Falls, NY. 6/2017

Monique Ho, M.D.

1. Altered transcriptional and cytokine/chemokine gene expression profile from placental basal plate in subject with preeclampsia. SMFM, Las Vegas, January 2017.
2. Metabolomic alterations in pregestational diabetic palcentas at term. SMFM, Las Vegas, January 2017.
3. Intrapartum vs. postpartum metabolomics in serum and urine of diabetic mothers. SMFM, Las Vegas, January 2017.

Kathleen M. Hoeger, M.D., M.P.H.

1. Invited Speaker, BMJ Masterclass series "An Introduction to PCOS" Mumbai, India - 3/2017
2. Invited Speaker, BMJ Masterclass series "Advances in the Diagnosis and Treatment of PCOS" Bangalore, India - 3/2017
3. Invited Speaker, Kansas City OBGYN Society Annual Meeting "Diagnosis and Management of PCOS" Kansas City, MO - 11/2016
4. Psychological stress and ovarian reserve among women with unexplained infertility. W. Vitek, E.S. Barrett, K. Hoeger, M.P. Diamond, M. Cedars, A.Z. Steiner. 72nd Annual Meeting of the American Society for Reproductive Medicine. October 2016. Salt Lake City, Utah * Oral presentation

5. Knowledge, attitudes, and behaviors related to environmental chemical exposure among women seeking fertility care. A. Pilato, K. Hoeger, W. Vitek, E.S. Barrett. 72nd Annual Meeting of the American Society for Reproductive Medicine. October 2016. Salt Lake City, Utah

Kyu Kwang Kim, Ph.D.

1. The 2016 summer program by Strong Children's Research Center (Poster title: Discovery of Compound A: A MEK Inhibitor for Treatment of Clear Cell Ovarian Carcinoma)

Brooke A. Levandowski, Ph.D., M.P.A.

1. 2017, "Asking the community about improving contraceptive conversations between young women and their providers:", Oral presentation, UNYTE Translational Research Network Scientific Session, Rochester, NY, 7/2017
2. 2017, "Maternal figures' role in young women's reproductive health decision", Poster presentation, UNYTE Translational Research Network Scientific Session, Rochester, NY 7/2017
3. 2016, "Team-Based Primary Care and Suicide Prevention in the VA: Perspectives From The Front Lines", Oral presentation, Veterans Administration Health Services Research & Development Cyberseminar. - 11/2016
4. 2016, "Asking the community: How can we improve contraceptive conversations between young women and their providers?", Oral and poster presentation, 43rd Annual Regional Perinatal Symposium, Syracuse, NY. - 9/2016
5. 2016, "Team-based collaborative care processes in primary care: What we can learn from suicide prevention efforts in Veterans Health Administration practices", Poster presentation, New York State Suicide Prevention Conference, Albany, NY. - 9/2016

Vivian Lewis, M.D.

1. June 2017: University of Chicago School of Medicine- Warner Reynolds Leadership Academy; Keynote address: Making mentoring work: what the data tells us.

Mitchell A. Linder, M.D.

1. Grand Rounds Presentation: eRecord Updates - 3/23/2017
2. Poster Presentation "Optimizing prenatal care in a university-based OB/GYN clinic" 4th Annual Institute for Innovative Education Symposium, Rochester, NY. Towner M, Linder M. - 3/2017

Lioudmila V. Lipetskaia, M.D., M.Sc.

1. Lunch and lecture at community primary health clinic - 4/2013-Present

Tara A. Lynch, MD

1. Seligman NS, Lynch TA, Szlachetka K. "Ultrasonographic Change in Uterocervical Angle as a Risk for Spontaneous Preterm Birth." 37th Annual Pregnancy Meeting, Society for Maternal Fetal Medicine. January 23-28, 2017. Las Vegas, NV.

Erin M. Masaba, M.D.

1. Murphy, EM. Cervical Ectopic Pregnancy: Diagnosis and Management. Endocrine Case Conference. University of Rochester Medical Center - 9/2016

Lauren Miller, M.D.

1. Miller LA, Seligman N, Young N, Pressman E. "Global Uterine Signaling During Labor is Not Progressive Propagation". Submitted to Society for Reproductive Investigation Conference,
2. Orlando, FL, March 2017.
3. Miller LA, Hollenbach S, Dye T, Li D, Thornburg LL. "Congenital Malformation Risk in Obese Women of Advanced Maternal Age". Submitted to Society for Reproductive Investigation
4. Conference, Orlando, FL, March 2017.
5. Baja A, Miller LA, Mills E, Clarke B, Zarlengo G. "An Analysis of Delivery Practice and Liability Claims over 30 years". Submitted to ACOG ACM, San Diego, CA, May 2017.
6. Miller LA, Olsen-Chen C, Folch B, David S, Thornburg LL. "Impact of Direct Abdominal Injury in Pregnant Women Presenting with Trauma". Poster Presentation. SMFM 2017,
7. Las Vegas, NV, January 27, 2017.
8. Miller LA, Seligman N, Young N, Pressman E. "Directional EMG Sensors for Recording Uterine Contractions". Poster Presentation. SMFM 2017, Las Vegas, NV, January 26, 2017.
9. Miller LA, Seligman N, Young N, Pressman E. "EMG of Uterine Tachysystole; Redefining Hyperstimulation". Poster Presentation. SMFM 2017, Las Vegas, NV, January 26, 2017.

Jaelyn Erin Morrison, M.D.

1. "Reproductive Healthcare for Women with Developmental Disabilities" North American Society of Pediatric and Adolescent Gynecology Annual Clinical Research Meeting 2017 Chicago, IL - 4/20/2017-4/20/2017

Katrina F. Nicandri, M.D.

1. Pediatric Grand Rounds presentation-Gynecologic care for Adolescent girls with developmental disabilities. Strong Memorial Hospital. - 1/11/2017
2. Pediatric Grand Rounds presentation-Gynecologic care for Adolescent girls with developmental disabilities. Rochester General Hospital - 1/10/2017
3. Poster presentation - "Postoperative Urinary Retention Decreases with Backfill of Urinary Bladder in the Operating Room." Bala Bhagavath, MD, Virginia Towle, RN, Sue Conner, RN, Divya Kumar, MPH, Katrina Nicandri, MD, Amy Benjamin, MD. 45th Annual AAGL Global Congress on Minimally Invasive Gynecology. Orlando, Florida - 11/2016
4. Lecturer, Gynecologic Issues for Adolescents with Developmental Disabilities. -University of Rochester School of Medicine -Rochester NY -Resident Education Lecture, Thursday Didactic Series -Development of Original Lecture -Discuss issues and problems unique to adolescents with disabilities and ways a gynecologist may help improve quality of life. - 9/2014-Present
5. Lecturer, Normal and Abnormal Puberty -University of Rochester School of Medicine -Rochester NY -Resident Education Lecture, Thursday Didactic Series -Development of Original Lecture - Understand sequence of events that lead to puberty, normal menstrual cycle, sexual maturation ratings, and recognize signs of abnormal development. - 2013-Present
6. Lecturer, Periods, More than a Punctuation -University of Rochester School of Medicine - Rochester NY -Resident Education Lecture, Thursday Didactic Series -Development of Original

- Lecture -Understand common menstrual problems in adolescents (secondary amenorrhea, dysmenorrhea, etc) - 2013-Present
7. Lecturer, Problem Periods -University of Rochester School of Medicine -Rochester NY -Resident Education Lecture, Thursday Didactic Series -Development of Original Lecture -Discuss primary dysmenorrhea and endometriosis and their mechanism of action and treatment modalities. - 2013-Present
 8. Lecturer, Disorders of Sexual Development -University of Rochester School of Medicine - Rochester NY -Resident Education Lecture, Thursday Didactic Series -Development of Original Lecture -Define disorders of sexual development, embryogenesis, gender identity, and etiologies of DSD. - 6/2012-Present
 9. Lecturer, Primary Amenorrhea -University of Rochester School of Medicine -Rochester NY - Resident Education Lecture, Thursday Didactic Series -Development of Original Lecture - Discuss etiologies, evaluation, and treatment of primary amenorrhea. - 2012-Present
 10. Lecturer, Pediatric and Adolescent Gynecology, CREOG Review -University of Rochester School of Medicine -Rochester NY -Resident Education Lecture, Thursday Didactic Series - Development of Original Lecture -Review topics to be tested on the resident in-service exam in the area of Pediatric and Adolescent Gynecology. - 2011-Present
 11. Lecturer, Abnormal Uterine Bleeding -University of Rochester School of Medicine -Rochester NY -Women's Health Core Curriculum -2nd year medical students -Review common etiologies of AUB and treatment modalities - 2011-Present
 12. Lecturer, Postmenopausal Vaginal Bleeding -University of Rochester School of Medicine - Rochester NY -Obstetrics and Gynecology Clerkship -3rd year medical students -Small Group Case Review and evaluation of required clerkship presentations. - 2009-Present

Courtney Olson-Chen, M.D.

1. C. Olson-Chen, L.M. Gray, N.S. Seligman. Optimal timing of delivery in preterm premature rupture of membranes: a decision-analytic model beyond 24 weeks. Poster presentation. Society for Maternal-Fetal Medicine Annual Pregnancy Meeting, January 2017
2. C. Olson-Chen, C. Akoh, E.M. Cooper, K.O. O'Brien, E.K. Pressman. Inflammatory cytokines in umbilical cord blood are associated with increased fetal growth in adolescent pregnancies. Poster presentation. Society for Maternal-Fetal Medicine Annual Pregnancy Meeting, January 2017
3. C. Olson-Chen, I.D. Perry, B. Cheng, L. Martinez-Sobrido, S.P. Murphy. Gestational age differences in susceptibility of the human placenta to viral infection. Oral presentation, Fellows Plenary. Society for Maternal-Fetal Medicine Annual Pregnancy Meeting, January 2017
4. L.A. Miller, C. Olson-Chen, B. Folch, S. David, L.L. Thornburg. Impact of direct abdominal injury in pregnant women presenting with trauma. Poster presentation. Society for Maternal-Fetal Medicine Annual Pregnancy Meeting, January 2017
5. C. Olson-Chen, D. Li, T.D. Dye, D. Gilmandyar. Antepartum rubella infection and pregnancy outcomes. Poster presentation. Society for Reproductive Investigation Annual Meeting, March 2017
6. C. Olson-Chen, K. Szlachetka, L.M. Gray, L.L. Thornburg. Middle cerebral artery pulsatility index: variation by biparietal diameter vs. gestational age in fetal growth restriction. Poster presentation. American Institute of Ultrasound in Medicine Annual Convention, March 2017.

Eva Karen Pressman, M.D.

1. Delaney K, Fleming R, Guillet R, Queenan RA, Pressman E, O'Brien K. Do Cord Serum Ferritin Concentrations Serve as an Index of Neonatal Iron Status? Experimental Biology 2017, Chicago, IL. - 4/25/2017

2. Best C, Pressman E, Cooper E, Queenan RA, O'Brien K. Serum 24,25-dihydroxyvitamin D Is Suppressed Across Pregnancy In Adolescents with Low Vitamin D Status. Experimental Biology 2017, Chicago, IL. - 4/24/2017
3. Ru Y, Pressman E, Guillet R, Copper E, Katzman P, O'Brien K. Neonatal iron status at birth is independently regulated by fetally derived hepcidin in neonates born to women carrying multiple fetuses. Experimental Biology 2017, Chicago, IL. - 4/22/2017
4. Miller L, Seligman N, Pressman E, Young R. Global Uterine Signaling During Labor Is Not Progressive Propagation. Society for Reproductive Investigation 64th Annual Scientific Meeting. March 15-18, 2017. Orlando, FL - 3/16/2017
5. Olson-Chen C, Akoh C, Cooper EM, O'Brien KO, Pressman EK. Inflammatory cytokines in umbilical cord blood are associated with increased fetal growth in adolescent pregnancies. Society for Maternal Fetal Medicine Annual Meeting, Las Vegas, NV. - 1/27/2017
6. Miller LA, Seligman N, Pressman E, Young R. Directional EMG sensors for recording uterine contractions. Society for Maternal Fetal Medicine Annual Meeting, Las Vegas, NV. - 1/26/2017
7. Miller LA, Seligman N, Pressman E, Young R. EMG of Uterine Tachysystole; Redefining Hyperstimulation. Society for Maternal Fetal Medicine Annual Meeting, Las Vegas, NV. - 1/26/2017

John Queenan, M.D.

1. "How to Appeal Denied Claims by Third Party Payers" 2017 ASRM Micro Video. www.asrm.org/resources/asrm-micro-videos/how-to-appeal-denied-claims-by-third-party-payers/
2. "Recent Developments in Infertility Treatment." ACOG District II Annual Meeting, New York, NY, October 23, 2016
3. "Sources of Trouble: Fraud, Abuse and Denied Claims." "Documentation Guidelines." and
4. "Coding for Assisted Reproductive Technology Laboratories." Post-Graduate Course,
5. American Society for Reproductive Medicine, Annual Meeting, Salt Lake City, UT. October 16, 2016
6. "Evaluation and Management of Infertility and Ovulation Induction"; "Hirsutism and PCOS";
7. "Diagnosis, Medical and Surgical Management of Ectopic Pregnancy." "Reproductive Endocrinology Case Reviews", Columbus Comprehensive Review, Columbus, OH. September 27-29, 2016.
8. "Ovulation Induction"; "Manage and Prevent Complications in Laparoscopic and Hysteroscopic Surgery";
9. "Ectopic Pregnancy"; Recurrent Pregnancy Loss"
10. 24th Annual Review of Obstetrics and Gynecology, Orlando, Fla. September 11-13, 2016.

Ivelisse Rivera, M.D.

1. UNYTE, Buffalo NY, November 2016. Title: Understanding Quality of Life Transitions for Women: Assessing the Impact of EPIC Decision Support Tools to Address Untreated Menopausal Symptoms on Women's Quality of Life and Provider Workflow
2. Society for Reproductive Investigation, Orlando FL, March 2017. Title: Patient-provider communication around menopause-related symptoms and quality of life
3. American Congress of Obstetricians and Gynecologists, San Diego CA, May 2017. Title: Perimenopausal Symptomatology and Menopause-related Quality of Life
4. RTRN Conference, Washington DC, October 2017. Title: CTSA-RCMI Interdisciplinary Exchange and Genetic Research
5. American Public Health Association, Atlanta GA, November 2017.
 - (a) Title: Personalized Pre-exposure Prophylaxis (PrEP) Education based on Self-Assessment by

Primary Care Providers in Upstate New York

(b) Title: "I will only trust a scientist who seems honest"--Confessions of Latina Women on Placental Donation to a Biomedical Research Repository in Western New York: A Qualitative Glimpse

Neil S. Seligman, M.D.

1. Use of Doppler in management of IUGR. Rochester Ultrasound Society Conference, Rochester, NY (Oral Presentation) - 11/2016
2. Complications of Monochorionic Twin Gestations. Rochester Ultrasound Society Conference, Rochester, NY (Oral Presentation) - 11/2016
3. Neil S Seligman, MD MS¹, Lisa Gray, MD¹, Lorelei L Thornburg, MD¹ and Richard Wissler, MD Unscheduled Cesarean Section: Interval to delivery, SRI, Orlando, FL, March 2017.
4. Neil S Seligman, MD MS¹, Philip J Katzman, MD² and Anwar Iqbal, PhD. Array Comparative Genomic Hybridization Yields Interpretable Results from Fetal Tissue Stored Up to 5 Days at Room Temperature SRI, Orlando, FL, March 2017.
5. Lauren Miller, MD/MPH, Neil Seligman, MD¹, Eva Pressman, MD, Roger Young, MD/PHD. Global Uterine Signaling During Labor is Not Progressive Propagation SRI, Orlando, FL, March 2017.
6. The Philadelphia NIPT registry - the providers' (not commercial) perspective, SMFM, Las Vegas, January 2017.
7. Optimal timing of delivery in preterm premature rupture of membranes: a decision-analytic model beyond 34 weeks SMFM, Las Vegas, January 2017.
8. Ultrasonographic change in uterocervical angle as a risk for spontaneous preterm birth SMFM, Las Vegas, January 2017.
9. EMG of Uterine Tachysystole; Redefining Hyperstimulation, SMFM, Las Vegas, January 2017.
10. Directional EMG Sensors for Recording Uterine Contractions, SMFM, Las Vegas, January 2017.

Rajesh K. Srivastava, Ph.D.

1. Key note speaker at an International Conference on Genetic Engineering and Biotechnology held at Jamshedpur, India (February 2-4, 2017). Title of talk, "Preimplantation Genetic Diagnosis/Screening and its role in creating genetically healthy offspring.

Lorelei Thornburg, M.D.

1. Neil S Seligman, MD MS, Lisa Gray, MD, Lorelei L Thornburg, MD and Richard Wissler, MD. Unscheduled Cesarean Section: Interval to delivery March 2017, Orlando, FL SRI
2. Hollenbach S, Dye T, Dongmei L, Thornburg LL. Impact of Assisted Reproductive Technologies on Pregnancy Outcomes Among Patients of Extremely Advanced Maternal Age March 2017, Orlando, FL SRI
3. Miller L, Hollenbach S, Dye T, Dongmei L, Thornburg LL. Congenital Malformation Risk in Obese Women of Advanced Maternal Age. March 2017, Orlando, FL SRI
4. Impact of direct abdominal injury in pregnant women presenting with trauma. January 2017, Las Vegas, Nevada, SMFM

Ellen J. Tourtelot, M.D.

1. Poster Presentation: Implementation of Depression Screening at the First Prenatal Visit since becoming SCOPE certified. Presented at New York State Perinatal Association Meeting, Albany NY. - 6/7/2017-6/9/2017
2. Research Workshop Presentation: Varicella Humoral Immunity Study. The presentation was of the data from the first portion of the varicella study we are doing. - 6/1/2017

Wendy S. Vitek, M.D.

1. Filling the Canteen: Collaborative Development of Resources for Preclinical Teaching. Association of Professors of Gynecology and Obstetrics Martin L. Stone, MD Faculty Development Meeting, Palm Spring, CA (1 hour CME) - 2017
2. Oncofertility fellow day team based learning exercises. First Annual Fellow Day Conference, Oncofertility Consortium, Chicago, IL (2 hour CME). - 2016
3. Does Anti-Mullerian Hormone predict in-vitro fertilizations outcomes among obese women? Ob/Gyn Grand Rounds. University of Rochester Medical Center, Rochester, NY (1 hour CME) – 2016
4. Vitek W, Jin S, Baker V, Styer SK, Christianson, MS, Stern JE, Polotsky AJ. Lower AMH is associated with lower oocyte yield and live birth rate among obese women; analysis of 36,334 IVF cycles. American Society of Reproductive Medicine Annual Meeting, Salt Lake City, UT - 2016
5. Vitek W, Barrett ES, Hoeger K, Diamond MP, Cedars M, Steiner AZ. Psychological stress and ovarian reserve among women with unexplained infertility. American Society of Reproductive Medicine Annual Meeting, Salt Lake City, UT - 2016

Natalie Sue Whaley, M.D., M.P.H.

1. Oral presentation at New York Society of Medicine David E. Rogers Student Fellowship Program. September 11, 2017. New York City, NY. Bawany F, Whaley N. “Family Planning in an Islamic Society: Morocco as a Case Study.”
2. Poster presentation at Canadian Anthropology Society Canada & International Union Anthropological and Ethnological Sciences Conference. May 2-7, 2017. Ottawa, Canada R Chierici, M Demment, J Magloire, E Sullivan, N Whaley, T Dye. Haitian women's perspectives about their health and wellbeing. - 5/2017
3. Presented luncheon talk entitled "Don't Assume: Are We Meeting the Reproductive Needs of Women with Disabilities?" at the North American Society for Pediatric and Adolescent Gynecology 2017 Annual Clinical and Research Meeting in Chicago, IL. - 4/2017
4. Poster presentation at Xavier University of Louisiana Health Disparities Conference. March 16-17, 2017. New Orleans, LA. M Demment, E Chierici, TM Voltaire, N Whaley, T Dye. Formative research around women's non-reproductive-health priorities in a remote, mountainous area of Haiti. - 3/2017
5. Poster presentation at the 2016 Family Planning and Your Patients conference at the University of Hawaii John A Burns School of Medicine Meeting in Honolulu, HI. E Bard, N Whaley, N Seligman, T Dye, D Li. Women's Representation in Government as a Predictor of Women's Health Outcomes. - 12/2016
6. Poster presentation at the 2016 Family Planning and Your Patients conference at the University of Hawaii John A Burns School of Medicine Meeting in Honolulu, HI. L Hanks, N Whaley, A Sy, P Albert, J Hadley, L Beunconsejo, T Dye. Women's Health Perspectives in Pohnpei State, Micronesia: A Rapid Qualitative Inquiry. - 12/2016

7. Poster presentation at the North American Forum on Family Planning Annual Meeting in Denver, CO. Whaley NS, Thaler K, Sufrin C. The Women Who Serve: A Qualitative Study of Abortion Doulas. - 11/2016.

James R. Woods, Jr., M.D.

1. Two Major oral presentations at the 2016 AWHONN national meeting.

PUBLICATIONS

Emily S. Barrett, Ph.D.

1. Barrett, ES, Sathyanarayana, S, Mbowe, O, Thurston, S, Redmon, JB, Nguyen, R, Swan, SH. First trimester urinary Bisphenol A concentration and anogenital distance, an androgen-sensitive measure of reproductive development, in infant girls. *Environmental Health Perspectives*. 125(7):0777008.
2. Sobolewski, M, Weiss, B, Martin, M, Gurven, M, Barrett, E. (2017) Toxicanthropology: phthalate exposure in relation to market access in a remote forager-horticulturalist population. *International Journal of Hygiene and Environmental Health*. 220(5): 799-809.
3. Sathyanarayana, S, Butts, S, Wang, C, Barrett, ES, Nguyen, RHN, Schwartz, SM, Haaland, W, Swan, SH, and the TIDES Study Team (2017) Early pregnancy phthalate exposure, sex steroid hormones, and newborn reproductive outcomes. *Journal of Clinical Endocrinology and Metabolism*. 102(6): 1870-1878.
4. Sathyanarayana, S, Barrett, ES, Nguyen, RH, Redmon, JB, Haaland, W, Swan, S, and the TIDES Study Team. (2016) First trimester phthalate exposure and infant birth weight in The Infant Development and Environment Study. *International Journal of Environmental and Public Health Research* 13(10)pii: E945.

Balasubramanian Bhagavath, M.D.

1. Salari BW, Bhagavath B, Galloway ML, Findley AD, Yaklic JL, Lindheim SR. "Hysteroscopic morcellator to overcome cervical stenosis." *Fertility and sterility*. 2016 Nov; 106(6): e12-e13. Epub 2016 Aug 16.
2. Bhagavath B, Grenier, E, Griffiths K, Winter T, Alur S, Richardson C, Lindheim SR. "Uterine Malformations: An Update of Diagnosis, Management and Outcomes". *Obstet Gynecol Survey*. 2017.
3. Lozada Y, Bhagavath B. "A Review of Laparoscopic Salpingo-Oophorectomy: Technique and Perioperative Considerations." *Journal of minimally invasive gynecology*. 2017 24(3): 364-370. Epub 2016 Dec 24.

Gunhilde Marianne Buchsbaum, M.D., M.B.A.

1. Buchsbaum GM, Lee TG. "Vaginal Obliterative Procedures for Pelvic Organ Prolapse: A Systematic Review." *Obstetrical & gynecological survey*. 2017 Mar; 72(3): 175-183.
2. Doyle PJ, Thomas SG, Buchsbaum GM. "Barriers to urogynecological care in a population of gynecological oncology patients." *International urogynecology journal*. 2017 Jun; 28(6): 913-916. Epub 2016 Nov 17.

Paula J. Doyle, M.D.

1. Doyle PJ, Thomas SG, Buchsbaum GM. "Barriers to urogynecological care in a population of gynecological oncology patients." *International urogynecology journal*. 2017 Jun; 28(6): 913-916. Epub 2016 Nov 17.

Brent DuBeshter, M.D.

1. Sarah A Ackroyd, MD, MPH; Sajeena Thomas, MD; Cynthia Angel, MD; Richard Moore, MD; Philip J Meacham, MS; and Brent DuBeshter, MD. "Interval Robotic Cytoreduction following Neoadjuvant Chemotherapy in Advanced Ovarian Cancer". *Journal of Robotic Surgery*. 2017.

Timothy De Ver Dye, Ph.D.

1. McIntosh S, Pérez-Ramos JG, David T, Demment MM, Avendaño E, Ossip DJ, De Ver Dye T. A globally networked hybrid approach to public health capacity training for maternal health professionals in low and middle income countries. *Global Health Research and Policy*. 2017;2:8.
2. Chin NP, Dye TDV. The Health and Wealth of Mountain Communities. *Maternal and Child Health Journal* 20.12 (2016): 2413-2414.
3. Li D, Xie Z, Zand M, Fogg T, Dye TDV. Bon-EV: An improved multiple testing procedure for controlling false discovery rates. *BMC Bioinformatics* 2017;18:1. DOI: 10.1186/s12859-016-1414-x.
4. Launay E, Cohen J, Bossuyt P, Buekens P, Deeks J, Dye T, Feltbower R, Ferrari A, Kramer M, Leeflang M, Moher D, Moons K, von Elm E, Ravaut P, Chalumeau M. Studies on time to diagnosis: proposal of a reporting guideline by an international panel. *BMC Medicine* 2016;14:146 DOI 10.1186/s12916-016-0690-7
5. Groth S, Dozier A, Demment M, Li D, Fernandez ID, Chang J, Dye TDV. Determinants of participation in genetic research in India and the USA. *Public Health Genetics* 2016, online first (DOI:10.1159/000452094).
6. Pan Z, Chi LK, Dye T, Luo J. Towards Understanding How News Coverage Affect Public Perception During Epidemic Outbreaks. In: Xu KS, Reitter D, Lee D, Osgood N. (Eds.). (2016). *Social, Cultural, and Behavioral Modeling: 9th International Conference, SBP-BRiMS 2016*, Washington, DC, USA, June 28-July 1, 2016, Proceedings (Vol. 9708). Springer.
7. Ossip DJ, Diaz S, Quiñones Z, Dozier A, Chin N, Weber E, Holderness H, Torres E, Bautista A, Sanchez JJ, Avendaño E. Dye TDV. Lessons learned from twelve years of partnered tobacco cessation research in the Dominican Republic. *Journal of Smoking Cessation*. 2016 Jun;11(2):99-107.
8. McIntosh S, Pérez-Ramos J, Demment MM, VélezVega CM, Avendaño E, Ossip DJ, Dye TD. Development and Implementation of Culturally Tailored Offline Mobile Health Surveys. *Journal of Medical Internet Research: Public Health and Surveillance* 2016;2:e28.
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DEPARTMENTAL STATISTICS

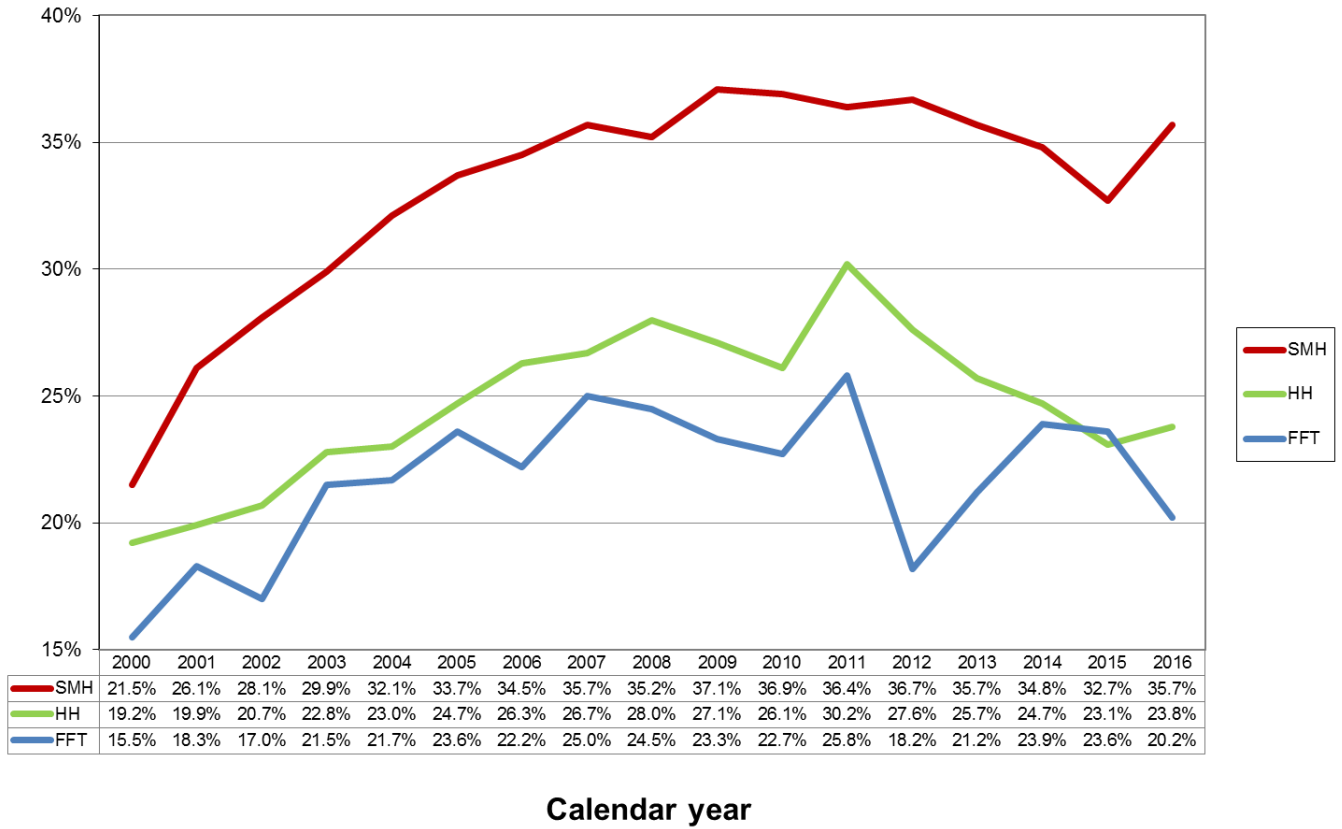
University of Rochester

Department of Obstetrics and Gynecology

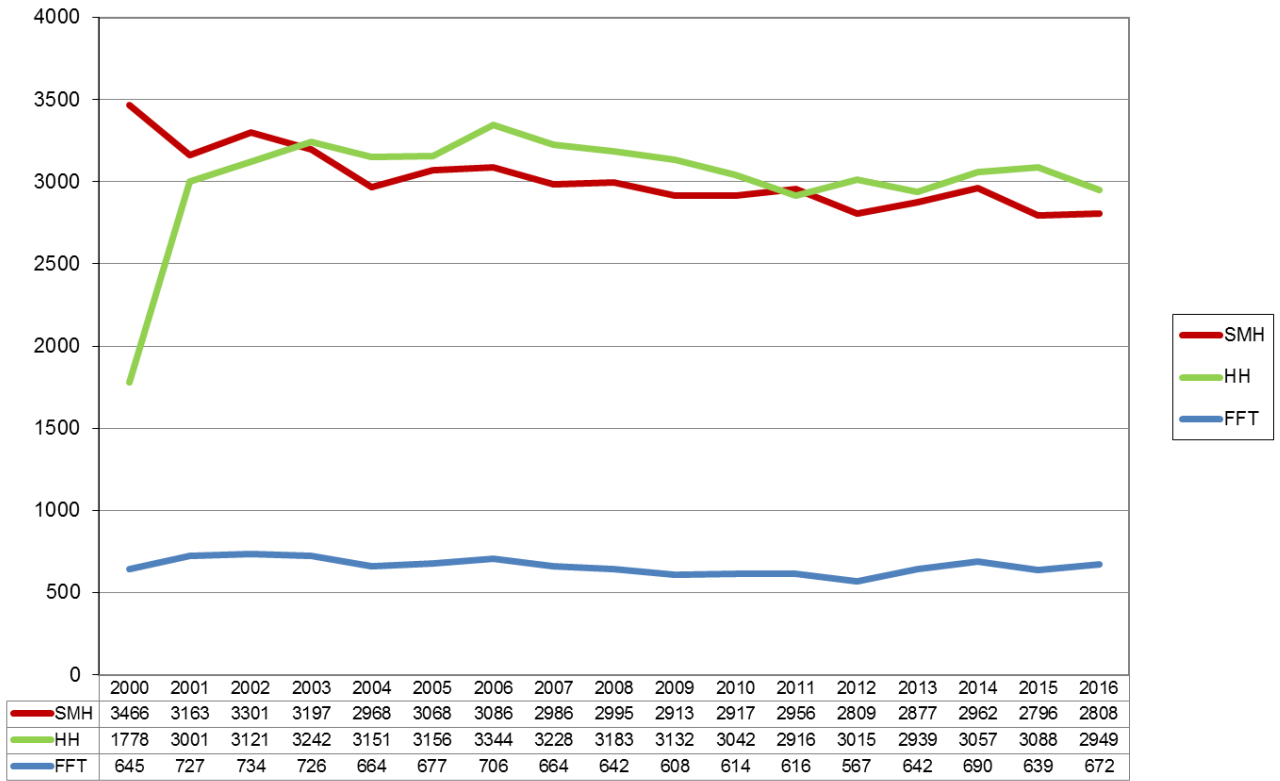
July 1, 2016 - June 30, 2017

Cesarean Section Rates

79



Number of Deliveries



Calendar year

Note: Deliveries = # of mothers

PERINATAL ULTRASOUND

PROCEDURES	LATTIMORE	RED CREEK	INHOUSE	TOTALS
OBSTETRICAL	7024	3432	1079	11535
GYNECOLOGIC	1756	465	151	2372
GENETIC-TAP	49	48	10	107
MATURE L/S-TAP	0	0	0	0
NT	488	289	2	779
BPP	289	156	240	685
CARDIAC	120	108	9	237
CARDIAC DOPPLER	120	101	9	230
DOPPLER (Umb art)	181	174	162	517
DOPPLER (MCA)	154	244	134	532
DOPPLER (GYN)	5	1	3	9
MULTIPLES	174	215	77	466
CVS	37	4	3	44
PUBS	0	0	4	4
U/S GUIDANCE	87	48	74	209
INVASIVE PRO.	17	1	4	22
RH Administration	16	3	1	20
SONOHYST	39	0	0	39
3 D	156	39	3	198
TRANSVAG OB	1923	785	221	2929
TRANSVAG GYN	1564	405	71	2040
DAILY BILLABLE PROC	14199	6518	2257	22974
DAILY IN/OUT PATIENT	8780	3897	1230	13907
NO SHOW	1035	122	0	1157
CANCELLED	174	93	0	267
RESCHEDULED	85	23	0	108
DELIVERED	19	22	0	41
ON CALL	0	0	194	194

**CLINICAL SUBSPECIALTY
DIVISIONS**

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2016 - June 30, 2017

GENERAL GYNECOLOGY AND OBSTETRICS



Adrienne Bonham, M.D.
Associate Professor and Division Director

The Division also includes: Amy Benjamin MD, Sarah Betstadt MD, MPH, Kristen Burhans MD, Jaclyn Morrison MD, Jil Johnson MD, Amy Harrington MD, Sheila Geen DNM, Diane Hartmann MD, Jennifer Mariani PA, Katrina Nicandri MD, Ellen Tourtelot MD, Natalie Whaley MD, Mitch Linder MD, Joseph Scibetta MD, Sharril Scolara PA, David Foster MD, MPH, Fred Howard MD

The Division of General Gynecology and Obstetrics continues to maintain the momentum that it developed since its inception. The members of the division dedicate themselves to offering the full complement of basic obstetric and gynecologic care as well as providing specialized care in the various gynecologic specialties. Our mission is to provide a meaningful educational experience for students and residents in the clinical setting, emphasize quality and continuity of care to indigent and underserved women, as well as emphasize our own professional development. It is also our mission to provide excellent patient care and to develop a level of expertise in our respective areas of interest that allow us to act as a resource for the community. The members of the division have particular expertise and interest in the areas of primary care and health screening, family planning, pediatric and adolescent gynecology, minimally invasive surgery, vulvovaginal disorders and clinical quality outcome measures and education.

The division members are active clinically and surgically at many sites which include Strong Memorial Hospital, Lattimore Women's Health, Lattimore Ob/Gyn and Sawgrass Surgical Center. We provide obstetrical services at the Strong Memorial Hospital birthing center, all emergency room and hospital gynecological consultations and private obstetrical and gynecological services at Lattimore UR Medicine Ob/Gyn and Women's Health Practice. The division members provide preceptorships for all the resident continuity clinics at Strong Women's Health Practice.

We are very excited to have recruited a new physician to our practice this year. Dr. Joseph Scibetta comes to us after a long career in private practice in the Rochester area. Dr. Scibetta practices general obstetrics and gynecology at our Lattimore office. We have also recently recruited Dr. Mitch Linder from a private practice background as well. Dr. Linder's practices general obstetrics and gynecology as well as specializing in disorders of the lower genital tract.

DIVISION MEMBERS

Amy Benjamin, MD, is a graduate of University of Rochester School of Medicine residency program. She completed advanced training in Advanced Laparoscopic Surgery under the tutelage of Dr. Fred Howard and joined the division as full-time faculty. She is active in resident surgical education, precepts

residents in pelvic pain clinic and provides outstanding clinical care for pelvic pain patients and general obstetrics and gynecology. Her interests are to improve quality of resident surgical training and perform advanced laparoscopic surgeries.

Sarah Betstadt, MD, MPH, completed her medical school at SUNY, Upstate and residency at Baystate Medical Center. She has advanced training completing a family planning fellowship at Boston University. She is actively pursuing research and publishing in the area of contraception and family planning. Dr. Betstadt provides excellent care and training in the Family Planning service, which has become a large, regional referral practice. They have recently developed a relationship with Planned Parenthood and plan on a long term partnership with the goal of efficient and immediate care for patients and expanded training for residents. As site director for the third year medical student clerkship, she is responsible for the oversight of the education of those students assigned to Strong for their Ob/Gyn clerkship and holds weekly small group teaching sessions.

Adrienne Bonham, MD, completed her medical degree from the State University of New York at Buffalo and her residency at the University of Rochester. She also has a Master's of Science in human genetics from the University of Pittsburgh and a Master's of Science in Medical Management from the University of Rochester. In 2012 she became the Division Chief for General Obstetrics and Gynecology. Her clinical area of interest is the diagnosis and treatment of disorders of the lower genital tract. She has developed a busy regional referral practice for these conditions. Dr. Bonham is actively involved in several research projects relating to vulvar pain, precepts the residents' colposcopy clinic and supervises staff surgeries with the residents.

Kristen Burhans, MD, graduated from medical school at the University at Buffalo and completed her residency at the University of Rochester. Dr. Burhans is interested in the practice of general obstetrics and gynecology, and sees patients at both our UOG as well as Women's Health Practice offices. She is also very interested in resident and student education. She has now taken on the role of director of the simulation program and continues to expand our capabilities in this exciting new method of training future physicians. Dr. Burhans also acts as the Clerkship Site Director for the Ob/Gyn clerkship at Strong Memorial Hospital.

David Foster MD, MPH, Professor Emeritus, received his medical degree from Thomas Jefferson University and did his residency at Johns Hopkins. He completed a fellowship in gynecologic pathology and received his MPH from Johns Hopkins as well. He is an internationally known expert in the field of vulvovaginal disorders. He has published extensively on the topic and currently has two R01 NIH grants. He has recently retired from clinical practice, but remains on faculty as Professor Emeritus and continues to be active in research in the field of lower genital tract disorders.

Amy Harrington MD initially came to us from private practice in VA. She received her medical degree from Stony Brook University and did her residency at the University of Virginia. Her particular area of interest in is family planning, and with Dr. Betstadt, she has developed a large regional referral center for these services. She has also started a complex contraception clinic designed to act as a referral center for patients with contraceptive complications as well as complex medical conditions which make contraception difficult. She is actively involved in precepting the resident clinics and does many of the staff surgeries with the residents. She has recently been promoted to the position of Residency Director for the department.

Diane Hartmann, MD, As the Senior Associate Dean for Graduate Medical Education, Dr. Hartmann is responsible for 75 residency and fellowship programs and over 700 graduate medical trainees at the University of Rochester School of Medicine. She is currently a member of the Board of Directors of the American Board of Obstetrics and Gynecology and serves as an Oral Board Examiner. Dr. Hartmann is

Chair of the Council on Residency Education in Obstetrics and Gynecology and has been named to be on the Board of Directors for the Accreditation Council on Graduate Medical Education's (ACGME).. She was recently appointed to the American Association of Medical Colleges (AAMC) National Advisory Panel on Medical Education

Fred Howard MD, Professor Emeritus, graduated from medical school at Vanderbilt University and did his residency at Fitzsimons Army Medical Center. He is internationally known as an expert in chronic pelvic pain and minimally invasive surgery and has lectured and published extensively on these topics. He instituted the department's minimally invasive surgery fellowship which remains extremely successful today.

Jaelyn Morrison MD, graduated from medical school at the University at Buffalo and completed her residency at the University of Rochester. Her areas of interest lie in pediatric and adolescent gynecology as well as the practice of general obstetrics and gynecology. Dr. Morrison acts as the Medical Director for the Birth Center at Strong Memorial Hospital and is also very active in resident and student education.

Katrina Nicandri MD, graduated from Medical College of Virginia and completed her residency at the University of Washington. Dr. Nicandri was a faculty member at the University of Washington after residency. Her interests lie in the area of pediatric and adolescent gynecology as well as providing excellent care in general obstetrics and gynecology, resident education, and providing clinical care in underserved areas and populations. She restructured our M&M's to provide a critical and educational venue and evaluation of clinical outcome measures, is chair of the Gyn Quality Assurance Committee has a special interest in patient safety initiatives.

Ellen Tourtelot MD obtained her medical degree and completed her residency at the University of Rochester before joining the faculty at Pennsylvania State University. Her passion for caring for the underserved, as well as her outstanding organizational capacities, has brought her back to the University of Rochester where she serves as the Medical Director for the Women's Health Practice. She oversees the administration of care given to over 10,000 underserved women in the Rochester area. She also actively supervises the resident clinics and staff surgeries.

Natalie Whaley, MD, MPH is another new addition to our division family. Dr. Whaley completed her medical degree at the University of Washington School of Medicine in 2009 and did her residence in Obstetrics and Gynecology at the University of Rochester. She then spent the next two years at Johns Hopkins completing a fellowship in family planning and received an MPH degree from the Johns Hopkins Bloomberg School of Public Health. Dr. Whaley is very active in our family planning program. Her areas of interest are family planning, contraception and care of the underserved.

Joseph Scibetta MD comes to us following a long career in private practice in the Rochester area. Dr. Scibetta graduated from medical school and did his residency in Obstetrics and Gynecology at the University of Rochester. He has been a beloved attending and teacher in our system for many years, and we are thrilled to have him join our practice as full time faculty. Dr. Scibetta practices general obstetrics and gynecology and specializes in minimally invasive gynecologic surgery.

Mitch Linder MD also came to us from a career in private practice. He obtained his medical degree from Temple University and did his residency in Obstetrics and Gynecology at the University of Rochester. His practice includes both general obstetrics and gynecology as well as specializing in vulvovaginal disorders. He has a special interest as well in optimization of the electronic medical record system and general practice operations. Dr. Linder also supervises residents in their staff clinics as well as on the obstetric and gynecologic hospital services.

Jil Johnson MD is the newest member of the division and comes to us from Washington where she has been specializing in minimally invasive surgery for the past 8 years. Prior to that, she had completed her residency in Ob/Gyn in Akron OH and she completed her training by completing a fellowship in Minimally Invasive Surgery at Virginia Mason Medical Center. She is originally from the Buffalo area and is very excited to return to Western New York.

PATIENT CARE/CLINICAL SERVICES

Areas of clinical care and research in the Division include:

- Adolescent and pediatric gynecology
- General Obstetrics and Gynecology
- Family planning
- Minimally invasive gynecological surgery
- Chronic pelvic pain
- Vulvovaginal disorders
- Care of the midlife woman

The Division provides office-based clinical care on the University campus in the Women's Health Practice and the University Obstetrics and Gynecology practice at Lattimore. In the Women's Health Practice, Division members provide clinical care through oversight of nurse practitioners and residents in their continuity clinics, in addition to providing direct patient care.

EDUCATION

The Division is committed to excellence in education. The Division has leadership and teaching roles related to residency and medical student education. Dr. Harrington is our newly appointed Residency Director and designs and implements the resident education curriculum. Dr. Burhans is the site director for the third year clerkship. All of our providers are active in resident and student education both in the office, on service in the hospital and all frequently give both formal and informal lectures to both students and residents. Our providers supervise the residency continuity clinics as well as specialty clinics such as Colposcopy and Vulvar Disorders, Pelvic Pain Clinic, Complex Contraception, Family Planning and Pediatric and Adolescent clinics. Drs. Whaley, Betstadt and Harrington have mentored many resident research projects. Dr. Nicandri is a frequent lecturer and clinic preceptor as well as running the M and M conferences and is director of the 4th year clerkship elective. Dr. Tourtelot has been reorganizing the ambulatory education curriculum and assuring that the clinic provides an active learning environment for the residents.

The entire Division is responsible for and committed to the education and supervision of the residents in their continuity clinics at Strong Memorial Hospital, Women's Health Practice. Our Division also is responsible for daily educational rounds with the residents on gynecology. These rounds consist of daily review of patient cases, examination of patients with residents, and availability for emergency operations. Individual division faculty also teach second and third year residents in their private offices.

RESEARCH

Several of the Division members are also funded co-investigators on collaborative studies with other divisions and departments. Members of the division are active in research in the areas of vulvodynia, endometriosis, contraception and the optimization of care to the underserved. Currently funded studies with members of the Division as principal investigators are summarized in each faculty member's

individual annual report summary.

FUTURE PLANS

Our division's mission remains to provide our patients with excellent clinical care as well as our residents with a comprehensive and meaningful educational experience. In doing so, we hope to serve as role models for the residents and are in the process of standardizing the care provided throughout the system to best reflect the most up to date evidence based medicine.

It is our belief that the care of patients with chronic pain conditions is best provided in a comprehensive and integrated fashion. To this end, we have developed an integrated practice unit for pelvic and gynecologic pain which will include providers specializing in this area as well as allied health professions who treat women with these conditions. We have developed a behavioral health and physical therapy program within our office to provide a comprehensive, team based approach to the care of women with gynecologic pain.

We have recently instituted a program to expand access for long acting reversible contraception to underserved patients in the immediate postpartum period. We are working with the department of pediatrics to improve teen education regarding effective contraception and have instituted a same day access policy for teens. We continue to actively encouraging each member of the division to continue to develop in his or her own particular area of interest in order to better serve the community as well as to make the University of Rochester truly a center of excellence in these fields.

GYNECOLOGIC ONCOLOGY



Richard G. Moore, M.D. FACS, FACOG
Professor and Division Director

The Division of Gynecologic Oncology faculty also includes: Brent DuBeshter MD, Cynthia L. Angel M.D., Sajeena Thomas M.D. Rakesh Singh PhD, Kyu Kwang Kim PhD, Racheal Turner MD, PhD, Negar Khazan PhD and Jennifer Englert FNP-C, RNFA.

PATIENT CARE

The Division of Gynecologic Oncology at the Wilmot Cancer Institute and the Department of Obstetrics and Gynecology provides the most advanced and cutting edge care for women diagnosed with gynecologic cancers and is recognized as a national leader in the field of Gynecologic Oncology for patient care, clinical trials and basic science research. The Gynecologic Oncology Division has become a leader in contemporary care with programs such as sentinel node evaluation for cervical, endometrial and vulvar cancers. We have been leaders in the adoption of the use of neoadjuvant chemotherapy for advanced ovarian cancers with interval debulking surgeries resulting in smaller surgeries and decrease morbidity. We are one of the few major centers in the US that offer complete robotic debulking surgeries for patients with ovarian cancer. These techniques allow many of our patients the ability to have complete resection of their tumors with minimally invasive surgery resulting in earlier discharge, faster recovery times and less delay in treatment. In support of this novel approach the Society of Gynecologic Oncologists and the American Society of Clinical Oncologist has issued a statement supporting the use of neoadjuvant chemotherapy with interval surgeries as one of the accepted standards of care for women with ovarian cancer.

We are committed to offering the highest standard of care to all women with gynecologic cancers in our region. In recognition of the care we provide for patients with gynecologic cancers our team has received a gold seal certification by the joint commission once again this year. Our care not only involves the acute treatment of women with cancer, but also extends to survivorship programs as well as close collaboration with the palliative care service at Highland Hospital where we now offer specially outfitted hospice rooms for end of life care.

In the community the division, represented by Dr. Cynthia Angel, has continued its involvement with the ongoing activities of Cancer Wellness Connections, a local organization devoted to improving the experience of women and children undergoing chemotherapy. As part of gynecologic awareness month, members of the division participated in the Annual Ovarian Cancer 5k. We are also involved with the Liv Like Liz foundation a group supporting the awareness and education for ovarian cancer. Additionally all members of the division are active in the education of health care professionals through local and regional presentations on gynecologic cancers.

EDUCATIONAL ACTIVITIES

Dr. Sajeena Thomas our Director of Education for the Division of Gynecologic Oncology is responsible for organizing and running all the clinical and elective rotations for medical students and residents that come through our service. The division continues to be involved with the teaching of medical students, interns, residents and oncology fellows. There are several clinical rotations for medical students from the University of Rochester as well as for visiting medical students from other medical schools. Each division member provides lectures for the medical students and residents and are also involved in local and regional educational events. A weekly Tumor Conference continues to be popular with the residents and is attended by staff in gynecologic oncology, radiation oncology, pathology and clinical research.

RESEARCH

The research program in the Division of Gynecologic Oncology has expanded and now includes programs in clinical trials, translational research and basic science research.

The Division of Gynecologic Oncology has established one of the nation's most active clinical trials research programs in gynecologic oncology. We are primary members of the NRG clinical research group. The NRG is funded by the National Cancer Institute (NCI) and is responsible for planning and executing all clinical trials in gynecologic cancers for the NCI. Our program offers all the gynecologic NRG clinical trials, giving women with gynecologic cancer in our region and across the country the opportunity to participate in clinical trials. Our clinical trials program also offers treatment trials with industry partners studying new drugs for gynecologic cancer patients. Currently we offer over 20 clinical trials to women with various gynecologic cancers including ovarian, fallopian tube, primary peritoneal, endometrial and cervical cancer. Since opening our clinical trials unit last year over 250 women have been enrolled onto a clinical trial through the Division of Gynecologic Oncology at the Wilmot Cancer Institute.

The Targeted Therapeutics Laboratory (TTL) in the Wilmot Cancer Institute lead by Richard Moore, MD explores new treatment opportunities for ovarian and endometrial cancers. The TTL is staffed by a team of internationally recognized cancer researchers including Rakesh Singh PhD, Kyu Kwang Kim PhD, Racheal Turner MD PhD and Negar Khazan PhD. The research performed in the TTL has resulted in several novel targeted therapies for cancer and currently two novel drugs developed by this team are in Phase 3 and Phase 1 clinical trials. This team is recognized internationally as the leaders in research on the HE4 protein that is associated with ovarian cancer. This year our laboratory received the prestigious Rivkin Grant for ovarian cancer research and currently has a Mary Kay Foundation grant in ovarian cancer research. This is the first time these grants have been awarded to the University of Rochester. Our research also expands into the field of diagnostics with innovative technology such as "liquid biopsy" for the detection of circulating tumor cells in women with ovarian and endometrial cancer. We have recently completed a clinical trial for the detection of ovarian cancer through liquid biopsy with genetic analysis of circulating tumor cells. This successful trial enrolled 200 women and made significant advancements in the area of ovarian cancer detection. The positive results of this trial will be presented at a national meeting this upcoming year. The current funding and ongoing research in the TTL will allow our research division to be competitive for future NIH and NCI funding.

We have also established a clinical and basic science research program where undergraduates, medical students, residents and research fellows have the opportunity to perform research in gynecologic cancer. Jessica Mitchell MD recently completed a project examining the differential expression of HE4 in ovarian cancer and presented her research at the national meeting for the Society of Gynecologic Oncologists.

FUTURE PLANS

This year our clinical growth has opened the door allowing more women with a diagnosis of a gynecologic cancer to have access clinical trials. With the establishment of the Targeted Therapeutics Laboratory, our goals are to develop new and innovative methods to diagnose and treat gynecologic cancers advancing the field with new and novel technologies. With further expansion of the clinical trials program, basic science research and our partnership with the Wilmot Cancer Institute, we hope our efforts will assist the Wilmot Cancer Institute to obtain “National Cancer Institute designation.” In addition, through outreach efforts, our program will collaborate with a number of offsite oncology clinics, affording our patients the convenience of being treated closer to home.

GYNECOLOGIC ONCOLOGY CLINICAL VOLUME

<u>Clinical Activity</u>	<u>Totals</u>						
<i>Surgical Volume</i>	<i>2011</i>	<i>2012</i>	<i>2013</i>	<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>
Partial vulvectomy	54	60	49	45	36	49	48
Cervical conization	31	31	21	20	26	26	30
Hysterectomy (open)	78	61	51	24	55	70	104
Hysterectomy (robotic)	314	352	378	327	330	361	456
Ovarian cancer debulking	114	95	100	91	42	62	103
Radical vulvectomy	25	31	31	17	20	21	29
Radical hysterectomy (open/robotic)	23	27	36	24	15	19	20
Total Procedures	639	657	666	548	524	608	790
<i>Outpatient Visits</i>							
New patients	898	909	958	838	796	977	917
Follow-up visits	2944	3210	3359	3215	3116	3735	4626
Colposcopy	373	386	345	262	321	267	276
Total	4215	4505	4662	4315	4233	4979	5819

MATERNAL-FETAL MEDICINE



Lorelei Thornburg, M.D.

Director of Maternal-Fetal Medicine Division

Director of Maternal-Fetal Medicine Fellowship

The Division of Maternal-Fetal Medicine faculty also includes: Kathryn Drennan, M.D. (Director of Inpatient Antepartum and Gynecology Unit and Perinatal Associates), Elizabeth Fountaine, M.D. (Fellow effective 7/1/17), Dzhamala Gilmandyar, M.D. (faculty through May 2017), J. Christopher Glantz, M.D., M.P.H. (Director of the Regional Perinatal Database), Lisa M. Gray, M.D. (Director of OB/GYN Special Care Clinic and Assistant Fellowship Director), Monique Ho, M.D. (Director, of Reproductive Genetics and Regional Maternal-Fetal Medicine Services), Stefanie Hollenbach, (Fellow effective 7/1/17), Erin Lemcke (Supervisor, OB/GYN Ultrasound), Heather Link, M.D., M.P.H. (Fellow), Tara Lynch, M.D. (Fellow), Amol Malshe, M.B.B.Ch., Lauren A. Miller, M.D., M.P.H. (Fellow), Courtney Olson-Chen, M.D. (Associate Program Director of OB/GYN Residency), Eva K. Pressman, M.D., (Chair of Obstetrics and Gynecology), Ruth Anne Queenan, M.D. (Chief of Obstetrics and Gynecology at Highland Hospital), Neil S. Seligman, M.D. (Director of Reproductive Genetics). The Reproductive Genetics Service includes: Diane Bailey, Laura Martin (through 9/2/16), Stephanie Laniewski, and C. Jeanne Peterson.

The Division of Maternal-Fetal Medicine (MFM) continues to provide high-risk obstetric care with ultrasound evaluation, consultation, and direct obstetric management throughout central New York. With services at Strong Memorial Hospital, Highland Hospital, Rochester General Hospital, FF Thompson Hospital, and St. Joseph's Hospital in Syracuse, our division is able to provide care for patients from all over the region.

PATIENT CARE

The Maternal-Fetal Medicine Division maintains an active full-service practice through Strong Perinatal Associates. The Strong Perinatal Associates practice based at The Women's Health Pavilion at 500 Red Creek Drive is a referral only practice for complicated pregnancies. Patients referred to us for antepartum and intrapartum obstetric care are seen throughout their pregnancy, delivered by our faculty members, and then return to their regional physicians for continued GYN care. Patients whose risks have passed during the latter part of pregnancy are offered the opportunity to return to their obstetrician, family medicine physicians or nurse midwife for their continued obstetric care. With approximately 2000 office visits and approximately 250 deliveries (up from 200 last year), this practice continues to serve as an important referral center for the area. Additionally, the practice provides perinatal consultation services for those patients that do not require transfer for delivery, but evaluation and discussion of pregnancy complications or maternal diseases in pregnancy, or planning for future pregnancies. Last year by adding consult services in multiple locations including Red Creek, Lattimore and by telemedicine for regional hospitals—we completed over >600 consultations (up from 200 last year). Wait times for both the office practice and consultation clinic remain low, with pregnant patients able to be seen within 1 week of referral, and preconception consultations with 2-3 weeks. We have move to an access model to further improve referral flow into the MFM practice from throughout the region.

In addition to providing full prenatal care, MFM serves as both the fetal and maternal care referral center for both our region and the surrounding regions for the most critically ill mothers and infants during pregnancy. This has resulted in increasing care coordination needs to assure that mother's and infant's receive the necessary services both before and after delivery. We now have a fetal care coordinator that fulfills this role, assuring that patients have appropriate services arranged prior to visits- since many of these women travel 2-5 hours for care. This service as resulted in 140 consultations and care referrals to specialties within the Golisano Children's Hospital this year.

Additional high-risk pregnancy services are provided at the Special Care Clinic housed within The Women's Health Pavilion at 125 Lattimore Road. Staffed by residents, nurse practitioners, social workers and nutritionists, and supervised by the MFM faculty, the Special Care Clinic provides comprehensive services for many of the most complicated obstetric patients. The Special Care Clinic continues to thrive with approximately 250 deliveries (up from 200 last year) and over 2000 obstetrical provider office visits for a total of 472 unique patients, plus the over 500 visits with support services (social work, psychiatry, nutrition) housed within the clinic. In addition, the specialized Diabetes in Pregnancy Clinic is housed within the Special Care Clinic and continues to provide specialized care for women with diabetes complicating pregnancy. Dietary services within this clinic were able to begin billing this year, and did 234 visits for over 100 unique patients.

Strong Fetal Monitoring continues to flourish with outpatient fetal monitoring offered at Lattimore Road and Red Creek Drive as well as in triage on nights and weekends. More than 5700 outpatient non-stress tests were performed in the last year, up from 4800 the prior year.

OB/Gyn ultrasound services are provided at Lattimore Road, Highland Hospital, Rochester General Hospital and our facility at Red Creek Drive. The volume of patients seen for OB/Gyn ultrasound at the URMC locations (Lattimore and Red Creek) remains high and stable, with again almost 23,000 studies on almost 14,000 patients performed between July 2016 and June 2017.

Beginning in July 2010 with the appointment of Dr. Ruth Anne Queenan as the Chief of OB/Gyn at Highland Hospital, the involvement of the MFM Division at Highland has significantly increased, with our faculty providing on site consultations, NST's, ultrasounds and procedures 3 days per week, as well as assisting with inpatient Labor and Delivery coverage and in-house consultation support as needed for the generalist staff.

Starting in 2009, University of Rochester entered into an agreement with St. Joseph's Hospital and Associates for Women's Medicine in Syracuse to provide perinatal consultations and ultrasound services locally in Syracuse. Dr. Pressman and Dr. Seligman provide these services twice a month and over the last academic year again saw nearly 200 patients in consultation.

Starting in August 2006, The University of Rochester also provides Ob/Gyn ultrasound by remote services 5 days per week, weekend mornings, and on-site services 1 days/month at FF Thompson- with over 2200 studies performed last year. In the last year we additionally have begun covering ultrasound services in the Dansville area (both outpatient with Dr. Bonvino's office (1016 studies) as well as inpatient at Noyes Hospital (644 studies) as well as for Auburn Hospital (108 studies). Further agreements are in development for reading ultrasounds and providing telemedicine consultative services throughout the region.

Reproductive Genetics continues to provide genetic counseling to patients throughout the region with over 1100 prenatal and pre-pregnancy patients seen during the past year. With the introduction of noninvasive testing options in pregnancy, these counseling services are more needed than ever. The

number of invasive diagnostic continues to be lower than previously with the new availability of non-invasive testing, but remained approximately stable from last year with over 95 amniocenteses and approximately 50 chorionic villus sampling procedures performed (stable from last year). Additionally, Dr. Seligman has developed beginning in 2013 a High-Order Multiples treatment program housed within Reproductive Genetics, with growing numbers of patient's taking advantage of this service regionally and avoiding referral to the next closest centers of New York and Philadelphia.

EDUCATION

The MFM division is dedicated to teaching medical students, residents and fellows. Our faculty are involved in all four years of the medical school curriculum and continue to work hard at encouraging the best medical students to pursue careers in women's health. Our entire faculty contributes to the resident didactic lecture series, obstetric simulation, monthly morbidity and mortality conferences, weekly perinatology/neonatology conferences and teaching on the inpatient and outpatient services. Radiology, Family Medicine, and Anesthesia residents also rotate through the MFM service. Our MFM fellowship has been ongoing for over 30 years and we continue to attract and train some of the country's finest fellows. We have expanded the fellowship from 1 to 2 fellows/year starting in 2015-6, and have successfully transitioned to the ACGME as well.

RESEARCH

Research activities within the Maternal-Fetal Medicine Division continue to expand. Some of the current studies include:

Induction of labor with oral misoprostol vs. IV oxytocin in term premature rupture of membranes. Investigators: J. Christopher Glantz, Courtney Olson-Chen. Funding – MFM Division

Immunologic responses in Pregnancy. Investigators: Lorelei Thornburg, Lisa Gray, Tim Mossman. Funding - Center for Vaccine Biology and Immunology

Comparison of gabapentin and ondansetron for treating hyperemesis gravidarum. Investigators: Lorelei Thornburg, Thomas Guttuso. Funding - NIH

Gene expression in pregnancies complicated by preeclampsia. Investigator: Eva Pressman. Funding – MFM Division

Early Pregnancy Iron Deficiency. Investigators: Eva Pressman, Philip Katzman. Funding – MFM Division

The Infant Development and the Environmental Study (TIDES)

Investigators: Barrett, E; Pressman, E; Baskin, L; Bookstein, F; Dogra, V; Grady, R; Hulbert, W; Janssen, S; Mevorach, R; Nguyen, R; Redmon, J; Sathyanarayana, S
Funded by NIH

Fetal Iron Sources during Pregnancy. Investigators: O'Brien, K. O.; Pressman, E.; Funding: USDA

Determinants of Neonatal Iron Homeostasis in Women Carrying Multiples. Investigators: O'Brien, K. O.; Pressman, E.; Funding: Gerber Foundation

Early onset fetal growth restrictions. Investigators: Dr. Seligman, Dr. Thornburg. Funding- MFM Division Funding- MFM Division

Gadolinium exposure and perinatal outcomes. Investigators: Dr. Miller, Dr. Miller. Funding- Mae Stone Goode Foundation

Placenta villitus, HPV and perinatal outcomes. Investigators: Dr. Lynch, Dr. Thornburg, Dr. Katzman.

FUTURE PLANS

Many exciting changes are planned for the upcoming year.

For MFM faculty we have been very successful in recruiting this year, including Dr. Malshe, who started in October 2017, as well as Dr. Drennan and Dr. Ho, both how whom started in January 2017. Dr. Ahmed (MFM/Genetics) as well as Dr. Olson-Chen will start in August and July 2017 respectively. Dr. Gilmandyar left the division in May 2017, and we continue to recruit to fill this position. Diana Bailey joined us as a genetic counselor for Reproductive Genetics filling recruitment for this division.

We continue to working on developing telemedicine options for consultations with patients throughout the region, and hope to be live at several regional sites within the next 2-6 months. Regional ultrasound coverage will also be expanding into other regionally affiliated hospital systems. This expansion of ultrasound and consultation services will allow us to effectively provide high-risk consultation for patients throughout the region, and assure timely referral for Maternal-Fetal Medicine and arranging transfer for delivery of patients needing Golisano Children's Hospital services.

MIDWIFERY DIVISION AND ROCHESTER ADOLESCENT MATERNITY PROGRAM



Michele Burtner, CNM, MS, IBCLC
Director of Midwifery Division
Senior Associate

Division Members: Michele Burtner, CNM, Elizabeth Cooper, CNM, EdD, FACNM (retired), Tammy Farnham, CNM, Alexis Gee, CNM, Megan Hogan-Roy, CNM, Pamela Jurich-Wright, CNM, Heather Lane, CNM, Caitlin LeGros, CNM, Melinda Pisaro, CNM, Rebecca Skovgaard, CNM, Julana Spaulding, CNM, Jenney Stringer, CNM, Helene Thompson-Scott, CNM, and Jo Wrona, CNM.

Clerical Staff: Faculty Practice: Tawni Biggins (Office Manager), Barb Williams, Ashlyn Sardisco, Travesha Howard. Culver location: Deb Finnerty (Office Manager), Clarissa Breedlove, Mahogany Brewer, Mikeisha Gee (2017), Megan Scott (Office Coordinator).

Nursing Staff: Faculty Practice: Margaret Militello, RN, Jean Farruggia LPN, Shaunna Gurnett, RN, Isabella Vasquez, MA. Culver location: , Sue Deming, LPN, Edna Brinson, MA, Lakesha Colon, LPN, Chris Nice, RN, Beth Park, RN (lead), Anastasia Roelle, MA, Katherine Ruffo, RN, Cindy Schutt, RN, Keley Shannon, RN. **Social Work Staff:** Audry Gropp, SW, Karen Rabish, SW, Dana Bowen, Financial counselor. **RAMP Staff:** Betsy Crumb, dietician.

DEPARTURES AND ARRIVALS

Rebecca Skovgaard, CNM retired from Full time status in November 2016 after over 20 years of practice at UR, she will remain per diem status for the following year.

Megan Hogan-Roy, CNM joined our Division in November 2016 as a Full time member. She became a midwife after many years of labor & delivery nursing in the Birth Center as SMH.

Caitlin LeGros, CNM changed her status from Full time to per diem status as of January 2017.

Melinda Pisaro, CNM changed her status from half time to Full time as of February 2017.

Julana Spaulding, CNM joined us in February 2017, having worked in the RRH system, she trained at OHSU and is Full time in the Division.

AMBULATORY CARE

Highland Hospital continues to run operations of the Culver Road site where the Midwifery division sees patients at 909 Culver Road co-located alongside the Community OB/GYN practice. Staff at Culver Road is shared between the two practices of the Midwifery Group and COB. The RAMP program also functions under Midwifery, at this location. Centering pregnancy has been implemented and is quite successful for the midwives at this site.

Midwifery Faculty practice patients are seen at our location at 125 Lattimore Road, Suite 200. This space and location has worked out well and has accommodated the growing volume that allows the midwives to care for women 5 days/week in the Faculty practice. Centering pregnancy has been initiated this year at the Lattimore location, and we hope for Centering certification at this site by the end of 2017. The Midwifery Division continues to be a part of the community-wide initiative to provide Centering (group prenatal care) to OB patients, which is being supported initially by a Perinatal Network Grant. Group care has been a long standing method of prenatal care (started by Beth Cooper) in the RAMP program, and has been successfully expanded to routine patients with this initiative.

The Prenatal Care at School Program (group care) was not continued in 2016-2017, due to decreasing volume in the program.

This year the Midwifery practice completed over 11,000 outpatient visits. We continue to draw patients from the Southern Tier, and from all over the Rochester area, who are looking to attempt trial of labor after cesarean. We have also seen an increase in the number of patients who are seeking out midwifery care during trial of labor after two cesareans.

INPATIENT CARE AND CLINICAL OUTCOMES

The practice completed 24 years of continuous care to RAMP and Midwifery patients in 2016. The data for birth outcomes over this period is presented below.

	<i>Spontaneous Vaginal</i>	<i>Assisted Vaginal</i>	<i>All C/S</i>	<i>TOTAL</i>	<i>%C/S</i>
92-93	110	3	14	127	12.4
93-94	145	9	21	175	12
94-95	168	13	16	197	8.1
95-96	219	20	23	262	8.8
96-97	221	11	27	259	10.4
97-98	234	20	24	278	10.3
98-99	286	15	29	330	8.8
99-00	310	16	28	354	7.9
00-01	346	11	30	387	7.8
01-02	382	4	38	424	9
02-03	421	10	59	490	12
03-04	442	11	60	513	11.7
04-05	469	19	62	550	11.3
05-06	432	24	64	520	12.3
06-07	506	26	93	625	16
07-08	484	36	97	617	17
08-09	413	22	91	526	14
09-10	439	24	80	543	17
10-11	428	19	82	529	15
11-12	366	20	84	470	17.8
12-13	428	14	62	504	12
13-14	491	24	88	603	15
14-15	533	8	82	623	13.2
15-16	532	13	90	635	14.1
16-17	521	20	83	624	16
TOTAL	9326	412	1427	11165	

EDUCATION

The midwives continue to cover during resident teaching at Strong Memorial Hospital once a week, as well as for CREOG exams and for resident's graduation activities. All midwives provide clinical teaching in labor and delivery of 3rd year medical students, Ob-Gyn, ED and FM residents. Midwives provide a lecture to the Ob/Gyn residents each year regarding physiologic birth. This year the Midwifery Division took on the role of teaching the OB/GYN interns in the Birth Center at SMH, as an addition to the SMH OB team.

Pediatric and Med-Peds residents doing a 2 week adolescent rotation frequently spend an afternoon in RAMP. Medical students doing their Primary Care Clerkship also rotate through the Lattimore office. Midwifery students continue to seek our practice for clinical rotation in their distance learning Midwifery programs. We currently have 2 midwife students working with us - Davya Brody (Philadelphia University) and Danielle Assibu-Gilmore (Frontier Nursing University). Additional midwifery students are already committed for 2017-18.

The midwives also serve as preceptors for Family Nurse Practitioner students from the University of Rochester and St John Fisher for ambulatory rotations. Undergraduate nursing students from Brockport occasionally spend time in the office as well. We have had some high school students (exploring Midwifery as a profession) and PA student shadow us this year as well.

RESEARCH AND PRESENTATIONS

The midwifery office provides office space for the study coordinators and the midwives participate in recruitment and collection of blood and placentas at delivery, as needed.

Studies actively recruiting subjects and collected blood and placenta samples during the time covered by this report were:

1. Old Order Mennonites: Effect of Lifestyle on Allergic Diseases (RSRB 62632) PI: John Looney, MD and Kirsi Jarvinen-Seppo MD PhD
2. Old Order Mennonites: Effect of Lifestyle on Allergic and Autoimmune Diseases, Role of the Gut Microbiome in Preventing Allergic Disease (RSRB 52971) PI: John Looney, MD and Kirsi Jarvinen-Seppo MD PhD
3. UPSIDE (Understanding Pregnancy Signals and Infant Development) (RSRB 58456) PI: Thomas O'Connor and Emily Barrett, PhD
4. Identification of Herpes Simplex Virus (HSV) Shedding in the Female Genital Tract of Pregnant and Non Pregnant Women by Xpert ½ Assay, Routine PCR, and Culture (RSRB 50383) PI: Mary Caserta MD
5. Comparison of Gabapentin and Metoclopramide for Treating Hyperemesis Gravidarum (RSRB 48512) PI: Lorelei Thornburg, MD
6. Vitamin D Dynamics in Pregnant and Non-Pregnant Women (RSRB 57617) PI: Eva Pressman, MD

Publications continue to be generated from the extensive study data collected from midwifery and RAMP clients.

HOSPITAL, MEDICAL CENTER, AND COMMUNITY COMMITTEES

Michele Burtner	<i>Division Director</i> Scheduling Coordinator for Division HH Breastfeeding Committee SMH/HH Credentialing and Privileging Committee L&D Service Team – SMH Community Grant Breastfeeding Committee UR Medicine Breastfeeding – Team member L&D Renovation Committee at HH Centering Steering Committee
Elizabeth Cooper	Member, State Board of Midwifery Highland Medical Executive Committee SMH/HH Credentialing and Privileging Committee
Alexis Gee	HH Perinatal Review Committee Scheduling committee for Division
Pam Jurich-Wright	Colposcopy
Heather Lane	Education/Student Coordinator for Midwifery Division HH FMC Clinical Quality Committee Centering Steering Committee
Caitlin LeGros	Author, Perifacts
Jenney Stringer	Centering Coordinator RAMP Co-Coordinator
Helene Thompson-Scott	Colposcopy Founding Board member for Institute for Family-Centered Childbirth HH L&D renovation committee

REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY



Kathleen M. Hoeger, M.D., M.P.H.
Division Director and Director, Strong Fertility Center
Professor of Obstetrics and Gynecology

The Faculty of the Division of Reproductive Endocrinology and Infertility also includes: Rajesh Srivastava, PhD, (Laboratory Director, Andrology and IVF Program); Shrenik Shah MS (Laboratory Supervisor); John T. Queenan, Jr., MD (IVF Medical Director); Vivian Lewis, MD; Wendy Vitek, MD (Director Fertility Preservation), Bala Bhagavath MD (Director Minimally Invasive Surgical Fellowship, Director Donor Oocyte and Director of URM Fibroid Center) and Erin Masaba MD (Physician Liaison to the Laboratory)

In 2016-2017, the Strong Fertility Center continued to expand our clinical offerings and focus on the clinical service. The division saw nearly 800 new patients, continuing our annual increases. We expanded our consultation program with Associates for Women's Medicine in Syracuse offering evidenced based reproductive endocrine care to the Syracuse area with Dr. Masaba and Vitek providing services there. Our ultrasound program performed close to 8,000 studies. Additionally, we provided more than 10,000 endocrine assays onsite including estradiol, progesterone, LH/FSH and HCG studies with rapid turnaround for patients. We continue to actively promote the Fertility Center working with complementary therapies to our fertility program, including no fee Women's Behavioral Health services, and patient support groups. The Women's Lifestyle Center continues to offer a team approach to the management of PCOS with nutrition and behavioral health support as complimentary to the medical management. The integrated Fibroid Center together with Imaging Sciences is actively growing providing consultation and surgical/intervention procedures. We have active research programs with ongoing participation in the Reproductive Medicine Network for infertility trials. Our research is also continuing in PCOS, research in the environment and reproduction and uterine myomas. The Reproductive Endocrine division continues to be actively involved in the OB/GYN residency, medical endocrine fellowship and medical student educational curriculums and clinical rotations, as well as providing ultrasound training for Emergency Medicine residents. We look forward to continued growth in both the clinical and research arms of the division as we continue to expand our services in the community.

PATIENT CARE

Our IVF program continues to improve its clinical offerings. We renewed our grant for participation in the New York State Infertility Demonstration Project and refined our lower cost package pricing to our IVF program to make this more affordable. We continue to look for options that improve access and affordability of IVF for couples who need our services, introducing our first INVOcell pregnancy, a lower cost vaginal incubation system for eggs and sperm. Our focus has been to increase the implantation rate so that we can provide high pregnancy rates **with low multiple pregnancy rates**. Figure 1 shows the overall cumulative live birth rates by age compared to the national standards. Additionally we have expanded the frozen embryo transfer (FET) number as we include a good deal of preimplantation genetic screening. The success rates of our frozen embryo transfer program have risen dramatically.

As IVF success is related to the rates of aneuploidy in the embryo, we are expanding our preimplantation genetic screening to women who may be at risk for high rates of aneuploidy. Additionally we continue to offer preimplantation genetic diagnosis and screening for couples with a single gene defects. Genesis Genetics, based in Michigan, offers lower cost genetic screening of embryos so that we can offer to more couples. Our fresh oocyte donation program continues to expand under the directorship of Dr. Bhagavath and we continue to work with Fairfax Donor Oocyte bank for frozen oocytes. We now offer shared donors to lower the costs and expand outreach for our donor program. In addition to our laboratory director, Raj and our lab supervisor, Shrenik Shah, our new embryology team members also include Dana Rimaldi and Nicole DeSisto. Dr. Masaba joined the program from Cornell University and has brought with her new protocols and the experience of a large IVF laboratory. She now serves as our Physician Laboratory Liaison so that as we grow the clinical and laboratory parts of our program work in unison. We continue to offer our program in fertility preservation offering counseling and IVF therapies for young reproductive aged patients facing cancer. Our outreach efforts allow us to connect with all the local cancer centers to allow information on fertility preservation to be included in patients' initial consultations for cancer therapy. Our preservation program, CARE (Childbearing After REcovery) after cancer, successfully held our eighth fundraiser in March at a new venue, The Strathallen. It was very well received with a great showing by the community. The program included patient stories and an auction and was led by Doug Emblidge. The party and silent auction benefit raised more than \$20,000 for patient care for those needing fertility services.

We continue to offer hysterosalpingography (HSGs) to the Red Creek office so that patients can receive their work up and treatment all in one familiar location. This service has consistently been cited by patients as significantly reducing their anxiety around having this test performed and allows for flexible scheduling.

Our ovulation induction program continues to be successful. The pregnancy rates for women treated with clomiphene, letrozole and those for gonadotropins are included in Tables 1-4. Multiple births remain a concern with treatment and a focus for our practice to reduce to as low as possible a rate. We offer both donor and husband intrauterine insemination. Our andrology team including Rita Herko and Michelle Dibble, in addition to our embryology technicians provide 6 day a week coverage for andrology services.

We continue to expand the first robotic surgery program in the area focused on fertility surgery. These surgeries include fertility preserving myomectomies and tubal ligation reversals. Dr. Bhagavath is also active in the national arena for reproductive surgery. Nationally he is involved in the American Association of Gynecologic Laparoscopy (AAGL) leadership and is the editor of the Society for Reproductive Surgeons newsletter. Dr. Bhagavath directs the Minimally Invasive Surgical fellowship in the Department, training graduates in advanced pelvic surgery. The URMC Fibroid Center run by Drs. Bhagavath and Lee (of Imaging Sciences) the first of its kind in the area, offers the latest surgical and radiological treatments for uterine fibroids. Dr. Bhagavath also directs the Center of Excellence in Minimally Invasive Surgery (COEMIG) at UR attaining this certification for the Department.

The Women's lifestyle center run by Dr. Hoeger continues to offer opportunity for nutrition and exercise instruction for women with Polycystic Ovary Syndrome interested in improving their chances for conception or improvement of their health with lifestyle modification. Women can meet with a certified nutritionist and behavioral health specialist experienced in treating patients with metabolic disease. The program operates out of our Red Creek site. Dr. Hoeger was selected by the American Society of Reproductive Medicine to work with the American Society for Metabolic and Bariatric Surgery (ASMBS) to compose a position paper on the impact of obesity and weight loss on fertility that was jointly published with ACOG and ASMBS.

EDUCATION

The Reproductive Endocrine division continues to participate actively in resident and medical student education. Residents in their second year complete a total of 4 weeks of rotation in REI in 2 blocks. The second year residents also prepared and presented working clinical protocols in REI subjects to REI faculty and staff at the conclusion of their rotation which they also presented to their fellow residents and will use in the resident clinic. Residents participate fully in the clinical practice meeting patients in consultation, performing US and HSGs and operations with REI faculty. Dr. Vitek has developed a curriculum for resident education during the 4 week rotation that includes completion of relevant ASRM education modules in REI. This past year the residents each prepared a protocol for fertility and endocrinology management of key areas during their REI rotation for the Women's Health practice. Additionally the division supports a rotation for the medical endocrinology fellowship program with the fellow attending clinic to learn specific aspects of reproductive endocrinology patient care. The division also supports pelvic ultrasound education for residents in the emergency medicine residency program by providing a hands-on rotation in transvaginal scanning. The division hosts 4th year medical students on elective.

Dr. John Queenan continues to provide oversight for the OB/GYN medical student special interest group. This group serves an important function in helping recruit students to our specialty. The interest group sponsors monthly sessions for students in a variety of formats: informal get-together, faculty lectures on career choices, panel discussions featuring residents and fellows. He has also served nationally on the PROLOG task force and a contributor to the Reproductive Endocrinology PROLOG.

Dr. Bhagavath is the director of the Minimally Invasive Surgical Fellowship and has modified and expanded the curriculum and the MIG fellow attends the biweekly Fibroid clinics. Dr. Bhagavath helped to organize the surgical simulation course for the residents along with faculty in GYN specialties and continues to develop the surgical curriculum.

Dr. Vitek has taken on a leadership role in medical school education. She currently is the director of the Men's and Women's Health block for the second year medical student course "Disease Process and Therapeutics". She is working closely with the faculty to enhance the curriculum moving forward. She also directs the basic science curriculum during the 3rd year clerkship with Dr. Fong. The division supports a ½ day session during this time, focused on basic science of reproduction as part of the 3rd year clerkship in OB/GYN which all the faculty participate in. Dr. Srivastava leads the laboratory section of this course.

Dr. Masaba has joined the Medical School Admissions Committee and is currently actively engaged in gearing up for the fall interview process.

RESEARCH

Our research activities and publications continue to grow. The faculty in the division have national and international reputations in Reproductive Endocrinology research. Dr. Hoeger's research area of interest is in the metabolic and reproductive consequences of PCOS. She has a collaboration with Cornell focused on the correlation between ultrasound findings and metabolic status in PCOS. Additionally a collaboration with the Medicine department is looking at the influence of melatonin on metabolic disruptions in PCOS. Dr. Hoeger was appointed a member of the International Guidelines Committee on PCOS and is working on the development of these published guidelines. We continue our affiliation with the NIH funded Reproductive Medicine Network with Dr. Hoeger as the site Principle Investigator.

Drs. Vitek, Bhagavath, Hoeger and Srivastava have active development of research programs and have all received MaeStone Goode foundation funding to assist in these efforts. Dr. Vitek completed her research as an NIH funded Clinical Research/Reproductive Scientist Training (CREST) scholar resulting in multiple oral presentations and publications. She continues to collaborate with the CREST scholars and continues her collaboration with Dr. Emily Barrett who is now at UMDNJ in environmental sciences. Dr. Srivastava is exploring the impact of environmental exposures on granulosa cells. Dr. Bhagavath is the principal investigator on a Hologic study on menorrhagia and is developing new industry funding in myoma research.

NATIONAL/INTERNATIONAL PRESENTATIONS BY REI FACULTY

Dr. Hoeger

1. Invited Speaker, BMJ Masterclass series "An Introduction to PCOS" Mumbai, India - 3/2017
 2. Invited Speaker, BMJ Masterclass series "Advances in the Diagnosis and Treatment of PCOS" Bangalore, India - 3/2017
 3. Invited Speaker, Kansas City OBGYN Society Annual Meeting "Diagnosis and Management of PCOS" Kansas City, MO - 11/2016
 4. Psychological stress and ovarian reserve among women with unexplained infertility. W. Vitek, E.S. Barrett, K. Hoeger, M.P. Diamond, M. Cedars, A.Z. Steiner. 72nd Annual Meeting of the American Society for Reproductive Medicine. October 2016. Salt Lake City, Utah * Oral presentation
 5. Knowledge, attitudes, and behaviors related to environmental chemical exposure among women seeking fertility care. A. Pilato, K. Hoeger, W. Vitek, E.S. Barrett. 72nd Annual Meeting of the American Society for Reproductive Medicine. October 2016. Salt Lake City, Utah
-

Dr. Queenan

1. "How to Appeal Denied Claims by Third Party Payers" **2017 ASRM Micro Video.**
www.asrm.org/resources/asrm-micro-videos/how-to-appeal-denied-claims-by-third-party-payers/
2. "Recent Developments in Infertility Treatment." **ACOG District II Annual Meeting**, New York, NY, October 23, 2016
3. "Sources of Trouble: Fraud, Abuse and Denied Claims." "Documentation Guidelines." and "Coding for Assisted Reproductive Technology Laboratories." Post-Graduate Course, **American Society for Reproductive Medicine, Annual Meeting**, Salt Lake City, UT. October 16, 2016
4. "Evaluation and Management of Infertility and Ovulation Induction"; "Hirsutism and PCOS"; "Diagnosis, Medical and Surgical Management of Ectopic Pregnancy." "Reproductive Endocrinology Case Reviews", **Columbus Comprehensive Review**, Columbus, OH. September 27-29, 2016.
5. "Ovulation Induction"; "Manage and Prevent Complications in Laparoscopic and Hysteroscopic Surgery"; "Ectopic Pregnancy"; "Recurrent Pregnancy Loss"
24th Annual Review of Obstetrics and Gynecology, Orlando, Fla. September 11-13, 2016.

Dr. Lewis

1. June 2017 University of Chicago School of Medicine- Warner Reynolds Leadership Academy; Keynote address: Making mentoring work: what the data tells us.

Dr. Bhagavath

1. Speaker on "Electromechanical Morcellation - Is it Dead or Alive?", New England Obstetrical and Gynecological Society 88th Annual Spring Meeting. Sturbridge, MA, April 2017 - 4/2017

2. Speaker on "Examining the Evidence for Adverse Outcomes for Morcellation", The American Congress of Obstetricians & Gynecologists (ACOG) District II Annual Upstate Meeting. Verona, NY, April 2017 - 4/2017
3. Speaker on "Does velocity of expulsion of the embryos make a difference to success rates?" 2nd World Congress on embryo transfer and intrauterine insemination, Heritance Ahungalla, Sri Lanka, December 10, 2016 - 12/2016
4. Speaker on "Vaginal Incubation". 2nd World Congress on embryo transfer and heritance intrauterine insemination, Ahungalla, Sri Lanka, December 10, 2016 - 12/2016
5. Speaker on "Impact of endometrioma on ovarian responsiveness and oocyte quality: Insights from IVF cycles". Life 2016 Conference, Bangalore, India, November 6, 2016 - 11/2016
6. Speaker on "Vaginal Incubation". Life 2016 Conference, Bangalore, India, November 6, 2016 - 11/2016
7. Speaker on "Suboptimal responders in COH: Are they overlooked?" Life 2016 Conference, Bangalore, India, November 6, 2016 - 11/2016
8. Roundtable Discussion Moderator "Surgical Management of Large Uterine Myoma", ASRM 2016 Annual Meeting, Salt Lake City, Utah, October 2016 - 10/2016
9. Moderator for Oral Abstract session on Reproductive Surgery, ASRM 2016 Annual Meeting, Salt Lake City, Utah, October 2016 - 10/2016

Dr. Vitek

1. Filling the Canteen: Collaborative Development of Resources for Preclinical Teaching. Association of Professors of Gynecology and Obstetrics Martin L. Stone, MD Faculty Development Meeting, Palm Spring, CA (1 hour CME) - 2017
2. Oncofertility fellow day team based learning exercises. First Annual Fellow Day Conference, Oncofertility Consortium, Chicago, IL (2 hour CME). - 2016
3. Does Anti-Mullerian Hormone predict in-vitro fertilization outcomes among obese women? Ob/Gyn Grand Rounds. University of Rochester Medical Center, Rochester, NY (1 hour CME) - 2016
4. Vitek W, Jin S, Baker V, Styer SK, Christianson, MS, Stern JE, Polotsky AJ. Lower AMH is associated with lower oocyte yield and live birth rate among obese women; analysis of 36,334 IVF cycles. American Society of Reproductive Medicine Annual Meeting, Salt Lake City, UT - 2016
5. Vitek W, Barrett ES, Hoeger K, Diamond MP, Cedars M, Steiner AZ. Psychological stress and ovarian reserve among women with unexplained infertility. American Society of Reproductive Medicine Annual Meeting, Salt Lake City, UT - 2016

Dr. Srivastava

1. Key note speaker at an International Conference on Genetic Engineering and Biotechnology held at Jamshedpur, India (February 2-4, 2017). Title of talk, "Preimplantation Genetic Diagnosis/Screening and its role in creating genetically healthy offspring.

PUBLICATIONS

Dr. Hoeger

1. Vitek W, **Hoeger K**, Legro RS. "Treatment strategies for infertile women with polycystic ovary syndrome." *Minerva ginecologica*. 2016 Aug; 68(4): 450-7. Epub 2016 Jan 14.
2. Kominiaiek MA, Jungheim ES, **Hoeger KM**, Rogers AM, Kahan S, Kim JJ. "American Society for Metabolic and Bariatric Surgery position statement on the impact of obesity and obesity treatment on fertility and fertility therapy Endorsed by the American College of Obstetricians and

Gynecologists and the Obesity Society." Surgery for obesity and related diseases : official journal of the American Society for Bariatric Surgery. 2017 May; 13(5): 750-757. Epub 2017 Feb 12.

3. Alur S, Barrett ES, LI, D, **Hoeger K**, Dye T. Disparities in pregnancy outcomes between Caucasian and African American women who conceived using in vitro fertilization (IVF). Clinical Obstetrics, Gynecology and Reproductive Medicine (COGRM) DOI: 10.15761/COGRM.1000133 2016.
4. A. Pilato and **KM Hoeger**. *Polycystic Ovary Syndrome: Diagnosis and Management*, periFACTS ejournal September, 2016
5. Masaba EM and **Hoeger KM**. Menstrual Abnormalities and Management in Polycystic Ovary Syndrome. World Clin Obstet Gynecol. 2017;5(1):9-22.

Dr. Lewis

1. Lewis V, Martina CA, McDermott MP, Trief PM, Morse GD, LaGuardia JG, Sharp D, Ryan RM. A randomized controlled trial of mentoring interventions for underrepresented minorities. Academic Medicine. 2016; 7: 994-1001.

Dr. Bhagavath

1. Salari BW, Bhagavath B, Galloway ML, Findley AD, Yaklic JL, Lindheim SR. "Hysteroscopic morcellator to overcome cervical stenosis." Fertility and sterility. 2016 Nov; 106(6): e12-e13. Epub 2016 Aug 16.
2. Bhagavath B, Grenier, E, Griffiths K, Winter T, Alur S, Richardson C, Lindheim SR. "Uterine Malformations: An Update of Diagnosis, Management and Outcomes". Obstet Gynecol Survey. 2017.
3. Lozada Y, Bhagavath B. "A Review of Laparoscopic Salpingo-Oophorectomy: Technique and Perioperative Considerations." Journal of minimally invasive gynecology. 2017 24(3): 364-370. Epub 2016 Dec 24.

Dr. Vitek

5. Styer AK, Jin S, Liu D, Wang B, Polotsky AJ, Christianson MS, Vitek W, Engmann L, Hansen K, Wild R, Legro RS, Coutifaris C, Alvero R, Robinson RD, Casson P, Christman GM, Christy A, Diamond MP, Eisenberg E, Zhang H, Santoro N; National Institute of Child Health and Human Development Reproductive Medicine Network. Association of uterine fibroids and pregnancy outcomes after ovarian stimulation-intrauterine insemination for unexplained infertility. Fertil Steril 2017 Mar;107(3):756-762.e3
6. Styer AK, Luke B, Vitek W, Christianson MS, Baker VL, Christy AY, Polotsky AJ, Factors associated with the use of elective single-embryo transfer and pregnancy outcomes in the United States, 2004-2012. Fertil Steril. 2016 Jul;106(1):80-9
7. Vitek, W, Hoeger K. Clinical Updates in Women's Health Care: Polycystic Ovary Syndrome. American College for Obstetricians and Gynecologists Monograph. Volume XV, Number 4, July 2016
8. Vitek W, Hoeger K, Legro S. Treatment strategies for infertile women with polycystic ovary syndrome. Minerva Ginecol. 2016;68(4):450-7.

Dr. Masaba

2. Masaba EM and Hoeger KM. Menstrual Abnormalities and Management in Polycystic Ovary Syndrome. World Clin Obstet Gynecol. 2017;5(1):9-22.

Dr. Srivastava

1. Contributed a chapter entitled, Sperm Separation Techniques”in soon to be published book entitled, “Textbook of Assisted Reproduction” edited by Drs. Baris Bata, Gautam

Allahabadia and Balasubramanian Bhagavath, Bryan Woodward and Steven Lindheim by Springer.

FUTURE PLANS

We are anticipating continued growth in our clinical offerings this year while we expand our efforts on continued IVF growth. We will continue to grow our outreach into Syracuse where we partner with Associates for Women's Health, a large private practice in Syracuse. Dr. Bhagavath will continue to grow and develop the Fibroid Center along with a sponsored national research program. We are a full breadth division of Reproductive Endocrinology and Infertility, serving as the only academic division in upstate New York. We look forward to continuing success.

Figure 1. Cumulative Livebirth from non-donor and, separately, donor oocyte IVF transfer cycles, SART

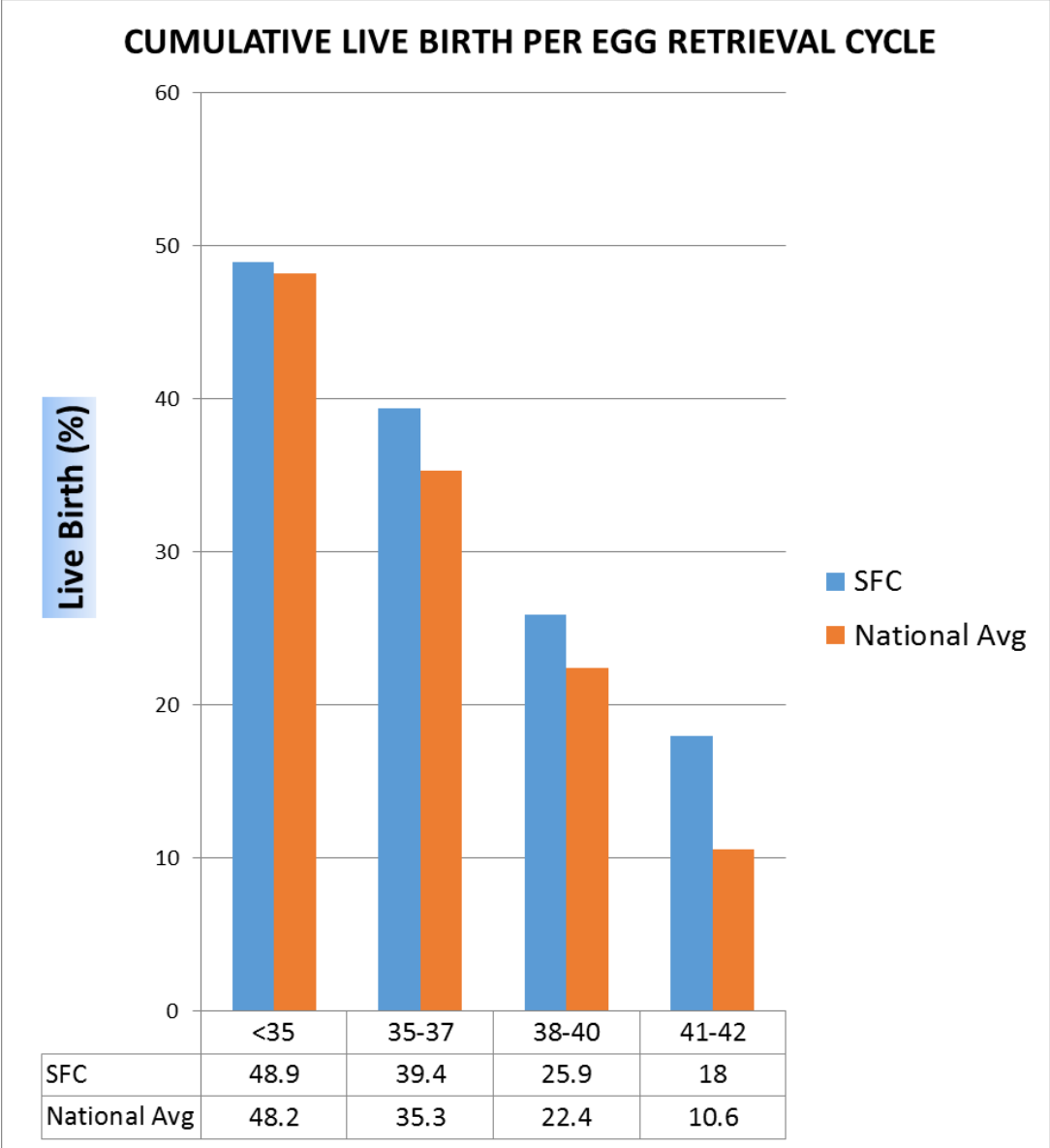


Figure 2. Singleton live birth rates from frozen embryos (nondonor), SART

Singleton, Twin and Triplet order data from Cumulative Outcome as compared to National Average (NA)

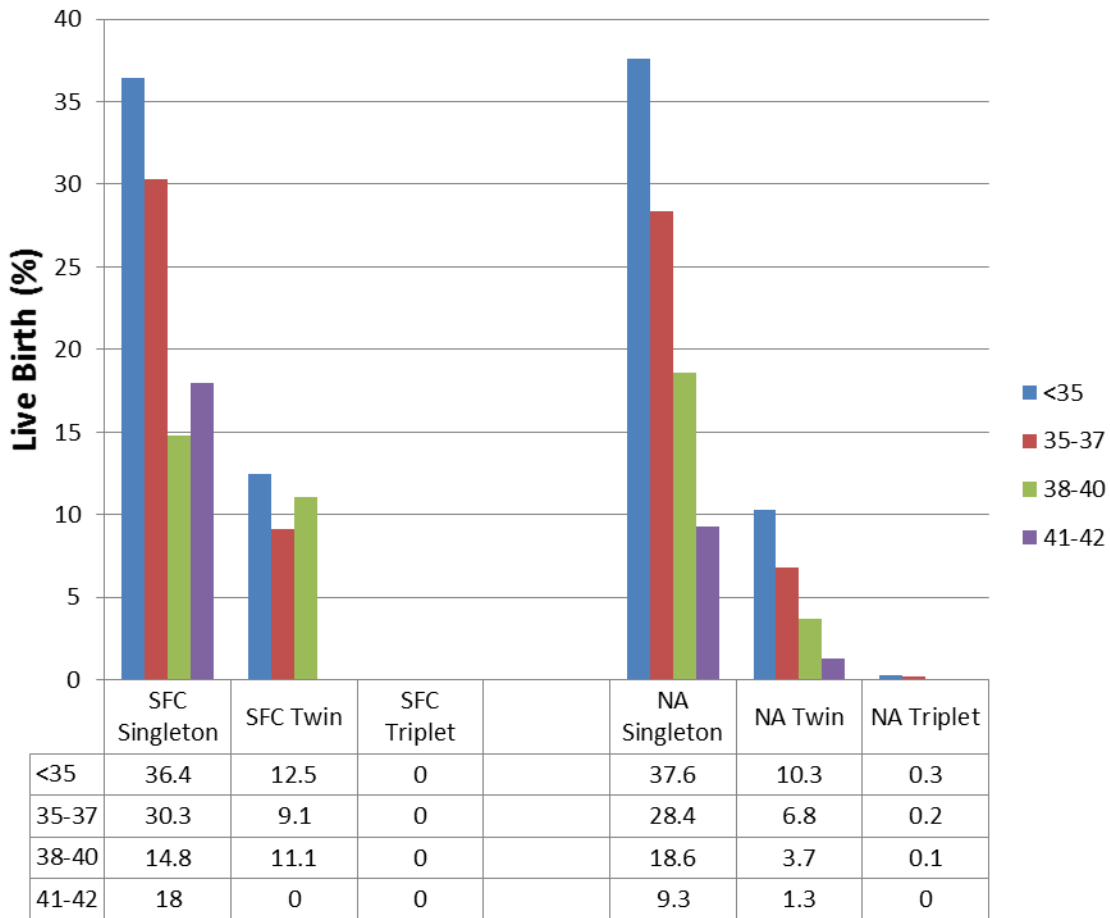


Table 1. Non IVF treatment cycles (with or without IUI, non donor) 2016

	Natural Cycle	Clomiphene	Letrozole	Gonadotropins
Total cycles	129	310	263	323
Ongoing Pregnancies	10	36	40	41
% ongoing	7.8%	11.6%	15.2%	12.7%

Table 2: Donor Sperm IUI , ongoing pregnancy 2016

	Natural	Clomiphene	Letrozole	Gonadotropins
Total cycles	62	54	14	34
Ongoing pregnancies	5	9	2	5
Percent viable pregnancy	8.1%	16.6%	14.3%	14.7%

Table 3: Age and Fertility non IVF treatment, ongoing pregnancy incl donor 2016

	<40 yrs				>40 yrs			
	Natural	CC	Letrozole	FSH	Natural	CC	Letrozole	FSH
Number of cycles	181	333	258	290	9	31	19	68
Number of pregnancies	14	43	42	41	1	2	0	5
Percent viable pr	7.7%	12.9%	16.3%	14.1%	1/9	6.2%	0	7.3%

Table 4. % Multiple pregnancy per viable pregnancy with ovulation induction 2016

	CC	Letrozole	Gonadotropins
Twins	11.1%	10.0%	14.6%
Triplets	0	0	4.8%
Quadruplets	0	0	0

UROGYNECOLOGY AND RECONSTRUCTIVE PELVIC SURGERY



Gunhilde Buchsbaum, M.D., M.B.A.

Professor and Division Director

Director of Female Pelvic Medicine and Reconstructive Surgery Fellowship Program

The Division of Urogynecology and Reconstructive Pelvic Surgery faculty also includes: Paula Doyle, M.D. (Assistant Professor), Erin Duecy, M.D. (Associate Professor), Lioudmila Lipetskaia, M.D. (Assistant Professor through March 2017), Pamela Wigent, N.P. and Toy Gee Lee, M.D. (2nd year fellow in Female Pelvic Medicine and Reconstructive Surgery).

CLINICAL

Even though the division of Urogynecology was down one provider for seven months of the academic year, we were able to increase the number of new patients seen and revenue collected by 6% compared to the year before. Maintaining the focus on performing minimally invasive procedures for both prolapse reduction and continence repairs, including vaginal, laparoscopic and mini-laparotomy approaches, the hospital stay for more than 90% of our patients has been 24 hours or less.

The primary goal for the past academic year was to open the multispecialty-center for Adult Pelvic Health & Continence Care. This goal was achieved, and we have been building on this foundation further increasing collaborative efforts with members of the divisions of colorectal surgery and urology. Dr. Jenny Speranza has increased the number of office hours at 500 Red Creek and together with Peg Lamark, RN, MS, FNP-C is providing outpatient care for women and men with colorectal disorders. Dr. Gareth Warren, Urology, has also increased his presence at UR Medicine Adult Pelvic Health & Continence Care. He and Shawna Hyland, RN, MSN, FNP-BC are providing care for women and men with neurogenic bladder and other lower urinary tract dysfunctions. We have been expanding services provided as an integrated multi-specialty center for the evaluation and treatment of pelvic floor disorders in both women and men.

TEACHING

The division of Urogynecology remains committed to excellence in education at all levels of medical care, including medical care providers and patients.

All third year residents in Obstetrics and Gynecology continue to spend rotations in Outpatient Urogynecology in our clinical office, receiving training in the evaluation and conservative management of pelvic floor disorders.

Resident surgical experience in pelvic reconstructive and continence procedures occurs during the Inpatient Gynecology rotation at Strong Memorial Hospital and at Highland Hospital. Residents at all levels participate in the surgical care of our patients. Members of the division of Urogynecology participate in the resident core curriculum lecture series, offering lectures on pelvic floor disorders and peri-operative physiology & care of the geriatric patient.

Residents in Family Medicine continue to attend a weekly Outpatient Urogynecology office as part of an elective in Obstetrics and Gynecology. Residents on the Women's Health track in Internal Medicine and fellows in Geriatric Medicine also spend part of their elective time in the Urogynecology office. An elective rotation in Urogynecology is offered as part of the curriculum for Urology residents.

Members of our division have been active in medical student education, including Problem-Based Learning modules on Pelvic Floor Dysfunction & Vulvar Disorders for 3rd year students and the annual Introduction to Urogynecology for 2nd year medical students. Members of our division also participate in the 3rd year student core rotation lecture series and host 3rd and 4th year students with an interest in OB/GYN in faculty ambulatory clinics.

Dr. Doyle and Dr. Lipetskaia participated again as faculty in the Cadaveric Pelvic Anatomy Lab. This course is taught to 3rd year medical students as a basic science component towards completion of the Gynecology and Obstetrics rotation. In addition, Dr. Doyle and Dr. Lipetskaia proctored on resident simulation days, teaching repair of 4th degree perineal defects and TVT techniques.

Dr. Duecy served as co-chair for the Residents as Teachers course attended by all URMC interns. She participated as instructor for a series of lectures as part of the Minimally Invasive Gynecology Curriculum for Nursing at URMC.

Additionally, all members of the division of Urogynecology have been presenting at various regional CME courses and grand rounds on topics such as evaluation of urinary incontinence, prevention of urinary tract injuries in gynecologic surgery, anxiety and surgical outcomes of prolapse surgery, Curriculum Vitae in academia.

RESEARCH

PRESENTATIONS AT SCIENTIFIC MEETINGS

Doyle PJ, Lipetskaia L, Wood, R. Near infrared imaging in robotically-assisted urogynecologic surgery. Oral video presentation. Society of Gynecological Surgeons (SGS) Conference. San Antonio TX. March 2017.

Duecy EE, Hartmann DM, with representatives from the Graduate Medical Education Committee, Department of Psychiatry, Employee Assistance Program, and Office of Counsel. Wellness Assessment and Support for Residents in the Academic Disciplinary Process. Poster. The ACGME 2nd Symposium for Physician Well-Being. Chicago, IL. November 2016.

Collins AF, Doyle PJ, Duecy EE, Lipetskaia LV, Buchsbaum GM. Does Anxiety predict subjective short-term outcome of prolapse repair surgery. Oral Poster. American Urogynecologic Society (AUGS) Denver, CO September 2016.

Doyle PJ, Lee TG, Buchsbaum GM. Twelve-year review of gynecologic oncology referral patterns to urogynecology. Poster. American Urogynecologic Society Conference (AUGS). Denver, CO. September 2016.

PUBLICATIONS

Buchsbaum GM; Lee TG. Vaginal Obliterative Procedures for Pelvic Organ Prolapse: A Systematic Review. *Obstetrical & Gynecological Survey*. 2017; 72(3):175-183.

Collins AF; Doyle PJ; Vilasagar S; Buchsbaum GM. Utility of anterior vaginal wall length measurement in vaginal reconstructive surgery. *International Urogynecology Journal*. 2016; Epub 2016 Dec 26.

Doyle PJ; Thomas SG; Buchsbaum GM. Barriers to urogynecological care in a population of gynecological oncology patients. *International Urogynecology Journal*. 2016; Epub 2016 Nov 17.

Denveneau NE, Forbis C, Lipetksaia L, Kinman CL, Agrawal A, Herring NR, Francis SL. The effect of Lithotomy position on nerve stretch: a cadaveric study. *Female Pelvic Med Reconstr Surg*. 2017; Epub 2016 Apr 20.

FUTURE PLANS

For the upcoming academic year, the division of Urogynecology and Reconstructive Pelvic Surgery is facing personnel changes. Dr. Buchsbaum is going to retire at the end of the calendar year 2017, and Dr. Duecy is taking on the position of Division Director. We will be recruiting and onboarding a new faculty member.

Expanding services provided at Adult Pelvic Health and Continence Care, continuing to increase clinical collaboration and research efforts as a multi-specialty team will remain primary goals in order to firmly establish this center as a regional resource in the treatment of women and men with incontinence and other pelvic floor disorders and the home of health care providers from several specialties such as gynecology, urology, colorectal surgery, physical therapy, gastroenterology and internal medicine with a focus on diagnoses and treatment of incontinence due to various etiologies.

A continued long-term goal for Adult Pelvic Health & Continence care will be steadily improving care of patients with incontinence as measured by outcomes and to be recognized as a national center of excellence in continence care within the next few years.

EDUCATIONAL PROGRAMS

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2016 - June 30, 2017

MEDICAL STUDENT EDUCATION



Colby A.H. Previte, M.D.
Medical Student Education Director and Clerkship Director

Medical Education Team also includes:
Donna Darby
Medical Student Education Coordinator

Education in Women's Health is evident in all four years of medical school at our institution. Current goals for the education program are to increase medical student recruitment into obstetrics and gynecology, improve education through early exposure and quality of teaching in our field, and increase interest in obstetrics and gynecology starting from the first year of medical school.

MEDICAL STUDENT RECRUITMENT IN OB/GYN

At the University of Rochester the number of students choosing obstetrics and gynecology has remained stable. The number of students choosing Ob/Gyn in the last ten years is listed below:

Year of Graduating Class	Students Matching in Ob/Gyn
2008	10
2009	3
2010	4
2011	7
2012	8
2013	4
2104	5
2015	5
2016	6
2017	3

Three students in the Class of 2017 chose Ob/Gyn as a career choice and successfully matched. These students and match sites are listed below.

Class of 2017

Rebecca DeHority
Yaneve Fong
Agata Kantorowska

Case Western/U Hosp Cleveland - OH
Christiana Care - DE
Winthrop-University Hospital - NY

During the fall of 2017, ten students from the University of Rochester School of Medicine and Dentistry are applying to residency programs in Obstetrics and Gynecology. The ten students are interviewing at programs across the country.

INTEREST GROUP

Our Department also gives the students an additional opportunity to become familiar with our field through the Ob/Gyn Interest Group in Year 1 and Year 2. Dr. John Queenan has been the faculty coordinator for the Interest Group, which is comprised of approximately 40 medical students from both Year 1 and Year 2. The meetings take place in a relaxed setting designed to inform students of what we do and how enjoyable it can be as obstetricians and gynecologists. Some topics presented focus on “a day in the life of an Ob/Gyn,” Labor and Delivery, Reproductive Health, and Residency Match in Ob/Gyn. We have had mixers in which students, Ob/Gyn residents and faculty meet to introduce ourselves and our field.

TEACHING RECOGNITION

Although one of our aims is to improve the quality of teaching, amongst our colleagues there are exceptional teachers. Our department annually recognizes one outstanding faculty member who demonstrates excellence in teaching particularly in undergraduate medical education. This is the APGO Excellence in Teaching Award. Last year’s recipient is listed below.

2017 APGO Excellence in Teaching Award—Brittany Paivanas, M.D.

WOMEN’S HEALTH CURRICULUM AT THE U OF R MEDICAL SCHOOL

The Double Helix Curriculum (DHC) is an educational trademark of the U of R Medical School. It emphasizes the integration of basic science and clinical science through self-directed, adult learning methods. Our department has implemented these changes successfully throughout the four years of medical school. Many educational techniques introduced through the DHC are utilized in the Women’s Health Curriculum: interest group, lectures, workshops, integration conferences, problem-based learning, early clinical experiences in private offices, clerkship and specialty electives.

1st Year students

Clinical skills training starts in the first year of medical school. The Department of Obstetrics and Gynecology has implemented the curriculum changes throughout the four years with ongoing modifications of the Double Helix Curriculum as it pertains to obstetrics and gynecology.

The first year medical students are introduced to the principles of examining the female patient in the course Introduction to Clinical Medicine. This introduction to the breast and pelvic examination has been purposely integrated to simultaneously coincide with the student’s education of the female pelvic anatomy. Students are prepared with an introductory lecture and video of the breast and pelvic examination as first year students.

INTEGRATION CONFERENCE: Male/Female Genitourinary Anatomy and Examination – November

Dr. Colby Previte presents a didactic session on female anatomy and basics of the female breast and genitourinary examination, including breast examination, breast cancer screening recommendations, sterile speculum examination, culture and cervical cytology obtainment, cervical cancer screening recommendations, saline microscopy, and bimanual examination. This didactic session is followed by small group sessions with plasticized models of the breast and pelvis. In small group sessions, the students practice manipulating speculae, and performing examinations. In 2016, Dr. Amy Smith participated as the second small group leader with Dr. Previte. (The male GU didactics are conducted by Dr. William Hulbert of Urology.)

INTEGRATION CONFERENCE: Introduction To Cervical Cancer Screening – April

In addition, the first year students have a 2½ hour conference referred to as the Integrated Conference in which core objectives of the curriculum are taught—Nutrition, Preventative Care, Ethics and other principles. Our Department teaches an Integrated Conference on Cervical Cancer screening.

Drs. Eugene Toy and Sharlin Varghese introduce first year students to cervical cancer screening, management of abnormal pap smears and cervical cancer and recent vaccine technologies developed for cervical cancer prevention. The integration conferences are 2½ hour sessions incorporating didactic sessions and clinical-pathology correlates in a small group setting.

2nd Year Students

INTEGRATION CONFERENCE ON CONTRACEPTION – LATE FALL OR MID-SPRING

Our Department teaches one of these conferences in the area of Contraception and the other is taught by Family Medicine in the area of Human Sexuality. The Integrated Conference on Contraception is one hour of general overview of epidemiology and contraceptive methods. The other two hours are small groups sessions on individual methods, the usage indications and risk/benefit counseling. Dr. Sarah Betstadt is the coordinator.

PRIMARY CARE CLERKSHIP (PCC)

FEMALE BREAST/PELVIC EXAMINATIONS OF STANDARDIZED PATIENTS – AUG/OCT

The second year class is introduced to a standardized patient on whom they perform a breast and pelvic examination. An experienced preceptor, either a nurse midwife or physician, gives them direct, hands-on instruction and feedback. In 2016, 3 midwives, 12 resident physician and 16 attending physicians served as preceptors. The instruction takes place as a small group setting with 2-3 students, one preceptor, and one standardized patient. These sessions are on Monday evenings in the Women's Health Center at Lattimore Road.

At the completion of the OB/GYN portion of PCC, the students take an examination that covers topics of OB/GYN, including breast and pelvic examinations, Well-Woman Care, Preconception Care, Vaginitis, Abnormal Uterine Bleeding, Abortion, and Recurrent Miscarriage. These questions are written by Dr. Previte and Dr. Anne Nofziger, Course Director for the Primary Care Clerkship.

DISEASE PROCESSES AND THERAPEUTICS 2 – FEBRUARY

The second year students are taught the principles of obstetrics and gynecology in second half of the second year. This course is referred to as the Integrated Systems B. Dr. Wendy Vitek has taken over as coordinator of the obstetrics and gynecology curriculum for this course. Several faculty members of our department give the core lectures on maternal and fetal physiology, normal menstrual cycle, normal and abnormal sexual development—just to name a few. In addition, the students have four obstetrical cases in a course referred to as the Disease Processes and Therapeutics. The ratio of student to preceptor is approximately 25 to 1. The cases were designed to incorporate concepts and principles taught in the Integrated Systems.

3rd Year Students

The third year students complete a 5-week clinical obstetrics and gynecology clerkship with students working at one of three clinical sites – Highland Hospital (University of Rochester), Rochester General Hospital (Rochester Regional Health), or Strong Memorial Hospital (University of Rochester). These five weeks are divided into one week of day Obstetrics, one week of Night Float, two weeks of Gynecology (with at least one week of benign gynecology, and oncology offerings at the Highland and Rochester General sites), and one week of Ambulatory. The students are required to take and pass the NBME (National Board of Medical Examiners) examination specific to obstetrics and gynecology.

Updates to the clerkship in the 2016 – 2017 academic year included:

- Continued initiatives pertaining to professional development of the students, including instruction on how to elicit constructive feedback in an effective manner, and how to handle situations with multiple different personalities.
- Focused review of clerkship feedback with faculty at each of the clinical sites. These sessions included troubleshooting solutions to common clerkship weaknesses.
- Focused teaching to the Ob/Gyn residents at the University of Rochester and Rochester General residency programs regarding teaching, learning, and feedback for medical students.
- An update to the clerkship required components of observed physical examination and history taking.
- Continued assessment of strengths and weaknesses of the clerkship, with collaboration between the site coordinators and clerkship administration for shared improvement.
- Focused meetings with residents and faculty at all three clinical sites regarding the medical student experience, ways to integrate them into the clinical teaching, etc.
- Nursing education and interventions to enhance student involvement on the floors.
- Continuation of Chair Rounds, clinical rounds with the department chair, Dr. Eva Pressman, at all three clinical sites, focusing on observation of students obtaining histories and performing clinical examinations.
- Addition of interprofessional educational didactic, combining family nurse practitioner students with third year medical students.
- Addition of mindfulness didactic with Dr. Ronald Epstein.

After the 5-week clerkship ends, the students then have one week of basic sciences of Ob/Gyn in the format of lectures, debates, problem-based learning, and hands-on laboratory time. This week is part of a two week block, pairing basic science concepts in both Ob/Gyn and Pediatrics. This block is co-directed by Drs. Wendy Vitek and Chin-To Fong.

The site coordinators for the third year clerkship are:

- Highland Hospital – Colby Previte, M.D.
- Rochester General Hospital - Rehan Asif, M.D.
- Strong Memorial Hospital – Kristen Burhans, M.D.

3rd Year/4th Year Students

There are several student electives and Sub-Internships for which student are eligible after completion of their their year Ob/Gyn clerkship. The electives include: Ambulatory, Family Planning, Gyn Oncology, Maternal Fetal Medicine, and Reproductive Endocrinology. There are two possible Sub-Internships: Ob/Gyn and Maternal Fetal Medicine. Students also have the opportunity to design electives, tailored to their clinical interests, choosing to work with physicians with a particular area of Ob/Gyn expertise.

The Course Directors for these electives and Sub-Internships are:

- Ambulatory – Katrina Nicandri, M.D.
- Family Planning – Sarah Betstadt, M.D., Amy Harrington, M.D., Natalie Whaley, M.D.
- Gyn Oncology – Sajeena Thomas, M.D.
- Maternal Fetal Medicine – Lisa Gray, M.D.
- Ob/Gyn Sub-Internship – Kristen Burhans, M.D.
- Reproductive Endocrinology – John Queenan, M.D.

Our department has put forth a tremendous effort in the education of medical students of all four years. We will continue to strive to improve the education program through continually improving upon teaching, and finding ways to engage students and spark their interest in obstetrics and gynecology.

Rochester Institute of Technology Physician Assistant Program

The University of Rochester partners with the Rochester Institute of Technology Physician Assistant Program in clinical education of physician assistant students. Current goals for the education program are to increase interest in women's health as a potential field, improve educational experiences through exposure and quality of teaching in our field, and increase physician assistant student recruitment into obstetrics and gynecology. In the academic year 2016-2017, two RIT-PA students completed their Ob/Gyn clinical rotation at Highland Hospital. This clinical rotation is scheduled in the final year of the RIT Masters PA Program.

The PA students complete a 5-week clinical obstetrics and gynecology clerkship. These five weeks are divided into one week of daytime Obstetrics, one week of Night Float, one week of Gynecology and two weeks of Ambulatory.

Updates to the clerkship include those listed in the preceding section, as well as the following specific physician assistant student clerkship updates:

- Updated orientation materials with more streamlined reference materials.
- Updated PA student clerkship evaluation form.

RESIDENCY EDUCATION PROGRAM



Erin E. Duecy, M.D., M.S.
Ob/Gyn Residency Program Director

The 2016/2017 academic year ended with the welcoming of a new group of first year residents who bring to the program a diverse set of experience and talents:

NAME	MEDICAL SCHOOL
Tiffany Abreu, MD	Albany Medical College
Alexandra Blackman, MD	State University of New York Upstate Medical University
Katelyn Carey, MD, MPH	Boston University School of Medicine
Cheryl Chu, MD	Washington University in St. Louis School of Medicine
Elizabeth Porcellio, MD	State University of New York Upstate Medical University
Victoria Quimpo Moretti, MD	The Commonwealth Medical College
Katherine Rogg, MD	Tulane University School of Medicine
Alexandra Samborski, MD	University of Minnesota Medical School

Current residents were once again integral to the recruitment process by sponsoring informal applicant meetings in their homes the evening before each interview day. There continues to be diversity among the applicant pool with 76% of invited applicants coming from medical schools outside of New York State. Significant faculty exposure in the form of the division directors meeting with all applicants to discuss the program as well as large number of faculty conducted interviews has been noted as a strong point by many applicants.

The Advisory Committee on Education in Obstetrics & Gynecology (ACE) continued to serve as an excellent forum for discussion of important residency program issues. Faculty representatives from Highland Hospital as well as resident representatives, Stefanie Hollenbach MD, MS and Whitney Archibald, MD (administrative chiefs), Sheila Flaum, DO and Haley Meyer, MD (third year representatives) met regularly throughout the year to address many issues including the ACGME Outcome Project, core competencies, learning objectives, the evaluation process, and curriculum development.

Resident Research Day was conducted in May, 2017 and complemented by the Chief Resident Dinner and Awards Ceremony held at Casa Larga in June.

RESEARCH DAY ACTIVITIES

May 11, 2017

RESEARCH PAPERS AND PRESENTATIONS

Resident Papers:

“Comparative safety and efficacy of cervical preparation methods in dilation and evacuation”

Presented by Jennifer Black, MD

“Barriers and outcomes associated with failure to execute desired postpartum sterilization”

Presented by Sheila Flaum, DO

“Does term labor induction increase risk of cesarean section for nulliparous women?”

Presented by Jennifer Leone, MD

“Pelvic floor dysfunction after total cystectomy for bladder cancer”

Presented by Haley Meyer, MD

“The differential analysis of serum HE4 levels in epithelial ovarian cancer and other malignant tumors”

Presented by Jessica Mitchell, MD

“Mode of membrane rupture in pregnancies with idiopathic polyhydramnios”

Presented by Laura Pekman, MD

“Validity assessment of a novel gynecologic surgical model: The GySMo project”

Presented by Mary Towner, MD

“Risk factors for repeat laparoscopy for patients with chronic abdominopelvic pain and endometriosis”

Presented by Ferdous Zannat, MD

36th ANNUAL JEROME H. RUDOLPH MEMORIAL LECTURE

“Abortion in humanitarian settings: Challenges and opportunities for expanding safe services”

Presented by Angel Foster, DPhil, MD, AM
Endowed Chair in Women's Health Research
Associate Professor in the Faculty of Health Sciences
University of Ottawa
Ottawa, Ontario, Canada

RESIDENTS' HONORS AND AWARDS

Administrative Chiefs for 2016/2017:

Whitney Archibald, MD and Stefanie Hollenbach, MD, MS

William Clay Award

Established in 1995, this award is in recognition of the intern who has demonstrated outstanding skills as a teacher and compassionate physician as exemplified by the life and career of Dr. William Clay, Jr.

Recipient: **Jillian Dodge, DO**

Ward L. Ekas Award

Established in 1968, this award is in recognition of the resident who has demonstrated characteristics of leadership among his/her peers.

Recipient: **Stefanie Hollenbach, MD, MS**

Faculty Awards

Established in 1973 by the interns and residents in the Department of Ob/Gyn, this award is in recognition of a faculty member for his/her excellence in teaching and his/her interest in the professional development of the house staff.

Recipients: **Katina Foster, MD (Highland Hospital)**
Dianne Edgar, MD (Strong Memorial Hospital)

Richard E. Fullerton Award

Established in 1995, this award is in recognition of the second year resident who has demonstrated outstanding skills as a teacher and compassionate physician as exemplified by the life and career of Dr. Richard E. Fullerton.

Recipient: **Alecia Fields, DO**

Curtis J. Lund Awards

Established in 1972, these awards are in honor of Dr. Curtis J. Lund. The earnings from the Lund Fund are to be used as prize money for the winning scientific papers presented by the house staff each year on research day.

1st place winner: **Mary Towner, MD**
2nd place winner: **Jennifer Leone, MD**
3rd place winners: **Haley Meyer, MD and Sheila Flaum, DO**

The Obstetrical Perinatology Awards

Established in 1982, this award is in recognition of the Ob/Gyn nurse who has demonstrated interest, compassion and a progressive attitude toward the care of complicated obstetrical patients.

Recipient: **Alison Bailey, RN**

Established in 1982, this award is in recognition of the Ob/Gyn resident who has demonstrated interest, compassion and a progressive attitude toward the care of complicated obstetrical patients.

Recipient: **Mary Towner, MD**

The Obstetrics and Gynecology Department Award

Established in 2010, in recognition of the Ob/Gyn resident who has consistently demonstrated excellence in teaching of medical students and fellow residents.

Recipient: **Ethan Gable, MD**

Gilford Woodrow Wilson Memorial Award

Established in 1999, this award is in recognition of the resident who has consistently displayed the compassion to his or her patients that was displayed towards Fletcher and Hollis Wilson during Gilford's life.

Recipient: **Laura Pekman, MD**

The Oncology Resident Award

In recognition of the Obstetrics-Gynecology Resident who has demonstrated high achievement in Gynecologic Oncology on the CREOG In-Training Examination.

Recipient: **Mary Towner, MD**

The Reproductive Endocrinology Award

Given to the resident who demonstrates, through interaction, teaching and/or testing, a superior understanding of Reproductive Endocrinology, an excellent performance on his/her Reproductive Endocrinology rotation, and the highest standards for care of patients with Reproductive Endocrinology and Infertility concerns

Recipient: **Alexis Pilato, MD**

The Urogynecology Award

In recognition of the Senior Resident in Obstetrics and Gynecology who has demonstrated outstanding understanding of the concepts of normal function and of bladder and pelvic organ support; who further has demonstrated the ability to apply these concepts to the evaluation and the treatment of patients with incontinence and pelvic organ prolapse, and who, therefore, shows great promise to further the care of women with these conditions in general practice or as a specialist.

Recipient: **Ferdous Zannat, MD**

OTHER AWARDS/OPPORTUNITIES DURING 2016/17:

AAGL Resident of Excellence in Endoscopic Procedures Award

This award is presented annually by the American Association of Gynecologic Laparoscopists (AAGL) to a chief resident who has special excellence in endoscopic procedures.

Recipient: **Ethan Gable, MD**

The American Congress of Obstetricians and Gynecologists (ACOG) District 2 Section 10 Junior Fellow Chair

Alicia Fields, DO

The American Congress of Obstetricians and Gynecologists (ACOG) District 2 Section 10 Junior Fellow Vice Chair

Sheila Flaum, DO

APGO Excellence in Teaching Award

This award is given by the Association of Professors of Gynecology and Obstetrics (APGO) and the Department of Obstetrics and Gynecology in recognition of excellence in teaching with an emphasis on undergraduate education.

Recipient: **Brittany Paivanas, MD**

ASRM 2016 Resident Reporter Program in Baltimore, Maryland

The recipient of this program attends the Annual American Society for Reproductive Medicine (ASRM) Meeting and reports back to colleagues on the meeting presentations.

Recipient: **Alexis Pilato, MD**

CREOG 2017 National Faculty Award for Excellence in Resident Education

This award is given by the Council on Resident Education in Obstetrics and Gynecology (CREOG) in recognition of excellence in resident teaching.

Recipient: **Natalie Whaley, MD, MPH**

The Society of Laparoendoscopic Surgeons 2017 Outstanding MIS Resident Award

This award is given the Society of Laparoendoscopic Surgeons (SLS) for the resident surgeon who has shown outstanding achievement and promise in the field of minimally invasive surgery.

Recipient: **Elizabeth Bard, MD**

The Society of Maternal Fetal Medicine Award for Excellence in Obstetrics

This award is given to a resident who best exemplifies the qualities of the vision of the Society of Maternal Fetal Medicine (SMFM) to improve pregnancy and perinatal outcomes.

Recipient: **Mary Towner, MD**

The 2017 Conventional Laparoscopic Olympics Recognition

This award is given to the resident(s) who demonstrate interest and continuity in practicing and acquiring different conventional laparoscopic skills.

Recipients: **Jillian Dodge, DO and Mary Towner, MD**

The 2017 Ryan Program Resident Award

This award is given to the resident who best exemplifies the dedication to service, training and education in family planning.

Recipient: **Katrina Heyrana, MD, PhD**

FF THOMPSON HOSPITAL

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2016 - June 30, 2017

FF THOMPSON HOSPITAL

PATIENT CARE

FF Thompson continues to provide care to low-risk obstetrical patients. The hospital's census has remained stable, with a slight decrease YTD 2017 compared to 2016. The affiliated practices recently added two OB/GYN physicians, for a total of six OB/GYNs, three Certified Nurse Midwives, and two Family Practitioners.

In 2016, FF Thompson received Advanced Certification from The Joint Commission as a Center of Excellence for Perinatal Care. In August of this year, we had a successful one-year interim phone conference with The Joint Commission, with a very positive review of our quality indicators. FF Thompson remains the only certified center in New York State outside of NYC, and one of 43 in the United States. The hospital was also recognized for the second year in a row as an Excellus Blue Center of Distinction +, citing the zero rate of unindicated early elective deliveries, low rates for primary cesarean section and episiotomy, as well as the provision of cost-effective care.

Our breastfeeding rate is consistently above 80%, and HCAHPS customer satisfaction scores are consistently above the 90th percentile.

In August, the hospital unveiled a new Lactation Support Suite adjacent to the Birthing Center. The suite provides private and serene spaces for associates to pump and store breast milk after they return to work. It contains office space for the Lactation Consultants, a private consultation room for outpatient referrals, and a small common area for community groups.

EDUCATION

A robust program of experiential learning using simulation and de-briefing continues to grow, this year repeating shoulder dystocia simulation to involve new nurses and providers. Neonatal Resuscitation was completed in November, 2016, for all providers and nurses.

The nurses continue to participate in GNOSIS, a learning platform offered through APS and supported by our risk retention group, MCIC. They have completed Shoulder Dystocia, Maternal Hemorrhage, and Electronic Fetal Monitoring.

The hospital continues to host nursing students from three area colleges, and is a popular site for local high school students interested in a career in healthcare to have internships.

FUTURE PLANS

We expect to re-certify with the Joint Commission in August, 2018, and are working on submissions for our Magnet re-designation in 2019.

HIGHLAND HOSPITAL

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2016 - June 30, 2017

**(REPORT NOT SUBMITTED FOR
THIS YEAR)**

RESEARCH

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2016 - June 30, 2017

RESEARCH DIVISION

DEPARTMENT HIGHLIGHTS

- ◆ 26 New Grants in the Department with anticipated total costs of \$5,675,101
- ◆ 75 Active NIH and non-NIH Grants in the department with total costs of \$ 22,938,397
- ◆ 33% of the PhD or MD faculty members are PI on a grant
- ◆ 24% of the MD faculty members are PI on a grant

RESEARCH DIVISION HIGHLIGHTS FOR 2016 – 2017:

1. 6 New Grant Awards for Research Faculty:

- a. *Emily S. Barrett, Ph.D.* NIH Grant in the amount of \$393,720 for “NYU Pediatric Obesity, Metabolism and Kidney Cohort Center - UR Study Center”
- b. *Emily S. Barrett, Ph.D.* NIH Grant in the amount of \$ 90,915 for “Prenatal and Early Childhood Pathways To Health: An Integrated Model of Chemical and Social Exposures, Biological Mechanisms, and Sex-Specific Effects”
- c. *Timothy De Ver Dye, Ph.D.* from New York State AIDS Institute in the amount of \$500,000 for “PrEP Detailing for Health Care Providers”
- d. *Timothy De Ver Dye, Ph.D.* from Centers for Disease Control in the amount of \$75,000 for “Rochester Prevention Research Center - SIP 14-021 Dye (Pacific Project)”
- e. *Timothy De Ver Dye, Ph.D.* from NIH in the amount of \$2,559,919 for “NRSA Training Grant”
- f. *Shawn P. Murphy, Ph.D.* from the Richard W. and Mae Stone Goode Foundation in the amount of \$12,000 for “Generation of recombinant Zika virus expressing green fluorescence protein for studies of infection in the human placenta”

2. **40 Peer-Reviewed Publications** in journals including: *Annals of Global Health, Arthritis & Rheumatology, Axis Journal of Cellular Physiology, BMC Bioinformatics, BMC Medicine, Environmental Health Perspectives, Environmental Research, Global Health Research and Policy, Immunology, International Journal of Environmental and Public Health Research and Surveillance, Journal of the American Medical Informatics Association, Maternal and Child Health Journal, Obstetrics and Gynecology, Physics in Medicine and Biology, Placenta, Public health Genetics, and Reproductive Sciences.*

FACULTY

In 2016-7, **Emily S. Barrett, Ph.D.** moved to Rutgers School of Public Health (NJ) where she is Associate Professor of Epidemiology. She remains on the faculty at University of Rochester School of Medicine and Dentistry, where she is now Adjunct Associate Professor of Obstetrics and Gynecology and Public Health Sciences. Dr. Barrett’s work continues to focus on how early life exposures (particularly prenatal) program subsequent health and development. Dr. Barrett continues to lead the Understanding Pregnancy Signals and Infant Development (UPSIDE) study (R01HD083369), which examines how prenatal anxiety affects child development with a particular focus on sex differences. The study is currently recruiting Rochester area women and will continue until 2020. In fall 2016, the UPSIDE team was awarded \$19 Million in additional funding through the NIH’s Environmental Influences on Child Health Outcomes (ECHO) initiative. This funding will allow the team to examine the role of inflammation in child development and follow study children until age 4. In addition to her work on the UPSIDE study,

Dr. Barrett continued to lead the Rochester center for The Infant Development and Environment Study II (TIDES II). The study started recruiting pregnant women in 2010 and has followed their children ever since. In this phase of the study, the team is investigating whether phthalates, a class of endocrine-disrupting chemicals, affect certain aspects of brain development. The Rochester team started conducting study visits in late 2015 and study activities will continue through 2020. The TIDES team also received NIH ECHO funding in Fall 2016 which will allow them to examine additional classes of chemical exposures as well as metabolic outcomes in participating children.

In 2016-17, Dr. Barrett published six manuscripts in leading journals including *Environmental Health Perspectives* and the *Journal of Clinical Endocrinology and Metabolism*, with additional papers in press and under review. Dr. Barrett and colleagues also presented the results of their research at several large national and international meetings including the Organization for the Study of Sex Differences (where Dr. Barrett organized a symposium) and the American Society for Reproductive Medicine. Dr. Barrett continues to serve on the editorial board of two leading journals, *Fertility and Sterility* and *Hormones and Behavior*. She was a semi-finalist for the Collaborative on Health and the Environment's Pioneers Under 40 in Environmental Public Health. She continues to sit on the NIH-funded Environmental Health Sciences Center faculty and continues to mentor Ob/Gyn resident research projects and serve as a trainer on URM's NIH-funded T32 training program, Training in Environmental Health Biostatistics.

Timothy De Ver Dye, Ph.D. is Associate Chair for Research in Ob/Gyn and Professor of Obstetrics and Gynecology, Medical Informatics, Pediatrics, and Public Health Sciences. He is a perinatal epidemiologist with a particular interest in how social determinants interact with medical factors in pregnancy. As Director of the Biomedical Informatics Core of the Clinical and Translational Science Institute (CTSI), Dr. Dye is also keenly interested in creating large-scale datasets accessible to maternal and child health researchers, and that promote the integration of biological insight with clinical and social interventions. Dr. Dye, an elected Fellow of the American College of Epidemiology, has extensive experience in global maternal and child health, having collaborations in more than 20 countries throughout the world. His recent publications reflect this diverse range and include reviewing the scope of breast and cervical cancer research in developing countries, deconstructing notions around unintended pregnancy among Native Hawaiians, evaluating risk of diabetes during pregnancy, and developing statistical methods to understand DNA methylation. Dr. Dye, a Fellow and Chartered Geographer with the Royal Geographic Society (London) currently serves as Editor-in-Chief of the *Maternal and Child Health Journal*, which publishes public health, obstetrics, gynecology, prenatal medicine, pediatrics, and neonatology research and serves as Chair of the Medical Advisory Board of OneHEART Worldwide, an international NGO that aims to reduce maternal mortality around the world. Dr. Dye is PI of the NIH-funded Predoctoral Training Program (TL1) for the CTSI and Co-Directs the doctoral program in Translational Biomedical Science. Finally, Dr. Dye is PI of and directs the CDC's Global and Territorial Health Research Network Coordinating Center, based at the University of Rochester.

Richard K. Miller, Ph.D. is Director of MotherToBaby URMedicine (Teratogen Information Service for New York, Indiana, New Jersey and Pennsylvania), which has just been renewed for 5 years by US-HRSA and Co-Director of the Finger Lakes Children's Environmental Health Center (NYS Center of Excellence in Children's Environmental Health), also just being renewed for 5 years. He has also been lead investigator of a 20 institution NIH-National Children's Study Formative Research Project involving the placenta with Drs. Stodgell and Katzman. This 105

investigator study has been exploring how to preserve the placenta for study of its vasculature and morphology as well as tissue for genetic - epigenetic, environmental assessment and isolation of stem cells. The objectives are to develop biomarkers in the placenta of future risk for childhood and adult disease by evaluating the human placenta. Additional investigations at URMC with Drs. Lauren Miller, Katzman, Darrah and Stodgell are also investigating the relationship between Magnetic Resonance Imaging with gadolinium contrast agents and the placental levels of Gd and potential effects on the pregnancy and newborn funded by the RW and MS Goode Fdn, which has been an outgrowth from the NCS project. Also, preliminary studies are exploring the non-invasive methods for evaluation of placental pathology in pregnancy using Ultrasound and MR elastography as a functional method to determine placental fetal vascular branching with Drs. Parker, McAleavey, Doyley, Dombroski, Stodgell, Hyrien, Wood, Carroll-Nellenbach, Katzman, Thornburg, Pressman, Salafia, Wang and Zhong from URMC and the School of Engineering. He is also collaborating with Drs. Barrett, O'Connor, Katzman, Salafia and Stodgell in two recently funded NIH study (UPSIDE: PI Barrett; ECHO: PIs -T O'Connor, RK Miller) examining Maternal Anxiety, Androgens, and Sex-Dependent Development, Placenta function and pathology and five-year follow up studies of the children. Rich has been asked to chair Committees on Biospecimen Utilization and Life Stage – Perinatal for the NIH Environmental Influences on Children's Health Outcomes Study (ECHO), which is an evaluation of 50,000 children at 84 sites across the US, including Rochester. He continues his research on biomarkers to identify preeclampsia before symptoms develop as well as an investigation of how phthalates, bisphenol-A, and triclosan may alter human trophoblast cell function. He is working with Dr. Stodgell and Dr. Asher Ornoy of Hebrew University on a rat model of type II diabetes mellitus and the implications for fetal growth restriction and birth defects funded by the US/Israel Bi-National Science Foundation. Finally, Dr. Miller is the dysmorphologist and member of the Scientific Advisory Boards for the US Ribavirin Pregnancy Registry, for the Genentech MoTHER Pregnancy Registry and for the international GSK Belimumab Pregnancy Registry. He is also a member of the scientific review board for TERIS, the on-line Teratogen Information Service. Dr. Miller received the 2016 Senior Award in Placentology from the International Federation of Placenta Associations and spoke on the subject of Placenta Toxicology – Susceptibility, Assessment and Contributions to Reproductive and Fetal/Neonatal Outcome at the Annual Meeting in Portland, Oregon. He has been an invited speaker on several other occasions this year including the ACOG District II Meeting, Turning Stone, New York April 28-29, 2017 presenting - Lead Exposures During Pregnancy and Lactation: Identification and Interventions; Harvard Human Teratogens Course, Harvard Medical School, Boston, Massachusetts April 22-24, 2017 - Title: Lead Exposures During Pregnancy and Lactation: Impact on the Child and Interventions; Western New York Science Teachers Association of New York State, Rochester, New York, March 2nd 2017 - Title: Birth Defects: Zika and Other Environmental Exposures; National Society of Genetic Counselors, MotherToBaby and Pediatric Environmental Health Specialty Units Webinar, January 17, 2017 - Title: Lead Exposure: Pregnancy and Beyond; Organization of Teratology Information Specialist Webinar, September 28, 2016 - Title: Lead Detection and Intervention in Pregnant Women. Dr. Miller is Chair of the International ENTIS-OTIS Scientific Research Consortium and member of the OTIS Research Committee. At URSMD, Dr. Miller is Section leader and lecturer in the Reproductive and Developmental Toxicology Section of Toxicology 522 and Course Director for Toxicology 530 (Reproductive and Developmental Toxicology). He is involved with medical students in all four years including the 4th year medical student team for the Process of Discovery Program. Dr. Miller published four papers and eight abstracts in *Physicis Medicine and Biology*, *Environmental Research*, *Drug Safety*, *Placenta*, *Birth Defects Research*.

Shawn P. Murphy, PhD, and his research team, **Courtney Olson-Chen MD, Ian Perry, Val Pyon and Lizzy Seltz** are studying immunity and infection within the human placenta. This unique organ plays multiple critical roles in successful pregnancy, including gas and nutrient exchange, and protection of the genetically distinct fetus from infection and maternal immune-mediated destruction. We previously developed a whole mount immunofluorescence (**WMIF**) method, which enables us to study infection of the placenta, and interrogate cell signaling in the major placental cell types within morphologically intact placental tissue.

Infections by food borne pathogens such as *Listeria* and *Salmonella* represent a substantial danger for pregnant, domesticated farm animals and pregnant rodents, for these infections are associated with significant increases in fetal and maternal mortality and morbidity. Studies in pregnant mice demonstrate that the fetal-maternal interface serves as a reservoir for *Salmonella* infection, leading to rapid destruction of the mouse placenta, septicemia and subsequent death of the mother. Despite these observations, and case reports demonstrating an association between *Salmonella* infection and complications of human pregnancy such as miscarriage, relatively little is known about the potential effects of *Salmonella* infection on pregnancy in women. Thus, **Ian Perry** is pursuing his PhD degree by studying the capacity of *Salmonella* to infect the human placenta. Mr. Perry's work demonstrates that *Salmonella typhimurium* (*S.Tm*) can infect human placental explants from all stages of pregnancy tested, but the bacteria do not replicate once within the placenta. WMIF analysis indicates that the bacteria are restricted to the outer syncytiotrophoblast layer that is exposed to maternal blood, and to extravillous trophoblast cells that invade the uterine wall. Together, these results suggest that while *S.Tm* can infect the placenta, the trophoblast cells prevent replication and transmission to the fetus. Recently, Mr. Perry found that the syncytiotrophoblast expresses natural resistance associated macrophage protein-1 (NRAMP-1), the expression of which was previously thought to be restricted exclusively to macrophages and neutrophils. NRAMP-1 is critical for macrophage-mediated clearance of infections by intracellular bacteria such as *Mycobacteria* (which causes tuberculosis), *Salmonella* and *Legionella*, and compromised NRAMP-1 function results in significantly increased susceptibility to these infections. Based on our collective studies, our current hypothesis is that NRAMP-1 prevents *Salmonella* from replicating in the placental syncytiotrophoblast. Thus, the syncytiotrophoblast functions as a barrier to infections by *Salmonella*, preventing transmission to the fetus. We are currently interested in determining how NRAMP-1 prevents *Salmonella* infection in the placenta, and what goes awry during pregnancy when *Salmonella* causes miscarriage and other severe complications.

Dr. Olson-Chen is studying the capacity of lymphocytic choriomeningitis virus (LCMV) and vesicular stomatitis virus (VSV) to infect the human placenta during gestation. She has found that placentas from the 1st trimester of pregnancy are significantly more susceptible to VSV infection compared to early 2nd trimester and term. VSV infection was observed in the villous cytotrophoblast and stroma, but not the syncytiotrophoblast. These results suggest that VSV can circumvent the syncytiotrophoblast barrier in 1st trimester placentas, but the placental barrier to infection becomes more stringent as gestation progresses. In addition, VSV infection of 1st trimester tissues resulted in significantly increased cell death relative to later stages of gestation. Dr. Olson-Chen is currently investigating the roles of interferons (IFNs) in protecting the placenta from viral infection. These studies are of critical significance due to the recent spread of Zika virus across the Americas and Caribbean.

We previously utilized WMIF to characterize placental cell responses to IFNs, which are pro-inflammatory cytokines that play critical roles in activating immune responses to tumors, viruses and intracellular bacteria. Our studies demonstrate that trophoblast subpopulations differentially respond to IFNs. **Dr. Murphy and Val Pyon** have been investigating the molecular mechanisms

involved in regulating differential IFN responsiveness in trophoblast cell subpopulations, and identifying the subsets of interferon responsive genes that are expressed in trophoblast.

Lizzy Seltz successfully completed her master's degree in Dr. Murphy's lab by characterizing the human placental fibrillar collagen matrix across gestation using a novel method called second harmonic generation imaging (SHGI). The collagen matrix plays numerous critical roles in every organ, including roles in tissue development and differentiation, vasculogenesis and immune cell infiltration and migration. Ms. Seltz demonstrated that the placental collagen matrix changes dynamically during the course of gestation. Furthermore, she also found that *in vitro* exposure of the placenta to inflammatory conditions resulted in significant alterations to collagen matrix structure, which provides the rationale for future studies using SHGI to examine collagen structure in placental pathology.

Dr. Murphy has lectured in the Human Placenta Biology Workshop at Queen's University in Kingston, Ontario, Canada, for the past eleven years. The course is a weeklong, intensive introduction to the biology of the human placenta, and trophoblast cells in particular, and is geared towards clinicians, principal investigators, postdoctoral fellows and PhD students interested in pursuing pregnancy research. Over 210 students from thirty nine countries have now participated in the course since its inception in 2006. Dr. Murphy gives lectures on the molecular biology and immunology of the placenta, and the utility of the WMIF method. He also provides a laboratory demonstration on placental WMIF.

Jay E. Reeder, Ph.D. Dr. Reeder is investigating the genetics of recurrent superficial bladder cancer in collaboration with Dr. Edward Messing of the Department of Urology. Superficial bladder cancer patients have a high risk of developing additional bladder tumors after initial resection. They are studying the mutations found in multiple tumors to better understand the relationships between them and the impact of therapy on bladder cancer recurrence utilizing specimens from a large multi-institutional clinical trial. Dr. Reeder is collaborating with Drs. Paula Doyle and Ronald Wood in developing near-infrared fluorescence imaging technology for use in surgery and non-invasive medical procedures. Several issued and pending patents have been generated from this work. Prototype devices have been fabricated and tested and Dr. Reeder is working toward licensing, regulatory approval, manufacture, and distribution in concert with UR Ventures. He is collaborating with investigators in the Orthopedics and Rheumatology Departments on a clinical trial utilizing near-infrared fluorescence for assessing lymphatic flow in rheumatoid arthritis. His prior work established a genetic association of a polymorphism in the SCN9A gene with bladder pain syndrome. SCN9A encodes a protein central to pain perception and the gain of function polymorphism appears to play a role in acquired chronic pain conditions. Dr. Reeder is collaborating on a grant funded project at the Syracuse Veterans Administration Medical Center to determine if this polymorphism may influence response to opioid therapy in chronic pain patients.

In 2016, **Ivelisse Rivera, M.D.**, was hired as Instructor of Obstetrics and Gynecology at the University of Rochester School of Medicine and Dentistry. Dr. Rivera's medical training along with special interests in women's health, community health, and underserved populations have allotted her active involvement in a variety of projects funded by the New York State Department of Health and private entities such as Mae Stone Goode Foundation and Pfizer Independent Grants for Learning and Change (IGLC).

The current Pfizer IGLC project focuses on improving quality of life in perimenopausal women who experience vasomotor symptoms by engaging their primary care provider in utilizing an

electronic aide (clinician decision support tool) that lives within the electronic medical record and is based off current menopause guidelines from the American College of Obstetricians and Gynecologists. This project is being conducted jointly with S.U.N.Y. Upstate Medical University. Dr. Rivera presented the initial findings from this menopause project at the UNYTE Translational Science Network, Society for Reproductive Investigation, and the American Congress of Obstetricians and Gynecologists annual conferences. Dr. Rivera's direct involvement with the creation of the menopause decision support tool inspired a new grant proposal, for which she is Co-Principal Investigator, which was submitted in July 2017 to Pfizer IGLC allowed for the creation of *my Contraceptive Coach*: a web-based interactive contraceptive tool that will offer customized information via animated videos, language preferences, along with a provider portal for access to patient preferences or concerns.

Dr. Rivera is also works on the New York State Department of health AIDS Institute funded project PrEP Academic Detailing as an Operations Manager and Trainer. Dr. Rivera will be presenting the collected data at the American Public Health Association conference in November 2017. With the establishment of the placental biorepository at URM, Dr. Rivera will serve as the Biorepository Manager.

Richard W. Stahlhut, M.D., M.P.H. Research Assistant Professor, is currently consulting with URM faculty Kirsi Jarvinen-Seppo, M.D., Ph.D. and Camille Martina, PhD on a study which will compare the prevalence of food allergy in the Old Order Mennonite community with that of the U.S. population as represented by the CDC NHANES national data. He co-authored a study (letter) published in the *Annals of Allergy, Asthma and Immunology* regarding animal exposure (i.e., hygiene hypothesis) and consumer product use (chemical exposures) on the rate of allergy in an Old Order Mennonite community. He is also working on a translational study with basic scientist Fred vom Saal PhD who is internationally-known for his work on the hormonally-active contaminant bisphenol A (BPA), specifically, a study of possible BPA effects on metabolism in humans.

Christopher J Stodgell, Ph.D. received his doctorate in Pharmacology and Toxicology from the University of Kansas, where he studied the behavioral neurochemistry of rats exposed to environmental and chemical agents to induce brain defects. Dr. Stodgell's main area of research is on the environmental and genetic causes of developmental disorders such as autism. He is a co-investigator with Drs. Loisa Bennetto, in the department of Clinical and Social Sciences in Psychology and Susan Hyman of Pediatrics on an NIH funded project to study the familial and genetic traits of taste, smell and feeding behavior in autism, and is collaborating with Dr. Alex Patchiorkowski, and Dr. Bennetto on identifying new de novo mutation in cases of autism. In addition to his reseach on autism, Dr. Stodgell, along with Drs. Richard K. Miller, Ronald Wood, and others have been studying vascularization of the placenta and how that may affect development of the fetus. Dr. Stodgell is also participating in a study to examine the effects of maternal anxiety on placental development with Dr Tom O'Connor, and Dr. Miller. Dr. Stodgell has published work related to the effects of in utero valproic acid exposure on embryonic gene expression, on the genetics and teratology of autism, and vulvar vestibulitis, and placental imaging. In addition to his research Dr. Stodgell sits on the Teratology Society's council as the society's treasurer. He is the Chair of the University Committee on Animal Resources, serves on the Medical Student Admissions Committee, and has served as a member of the University's Senate Executive Committee. Dr. Stodgell regularly lectures on teratology for the third year medical students in the Women's Health Clerkship, Developmental and Reproductive

Toxicology, and genetics and psychopharmacology, as well as a group mentor for the Process of Discovery course taken by the 4th year medical students.

Ronald Wood, Ph.D. The laboratory of Dr. Wood has focused extensively on murine lower urinary dysfunction and associated anatomical changes that have relevance to overactive bladder, benign prostatic hypertrophy, cystitis and genitourinary malignancies; resultant collaborations have produced innovations used in the human operating room. High resolution 3D ultrasound imaging is supported from this lab, a technology permitting rapid high contrast imaging of soft tissues and blood flow, and provides internal support for the Amira 3D software suite. Multimodal imaging of placental structure and function is an emerging research focus of a large collaborative team within the department, medical center, and across campus. Near infrared imaging of lymphatic transport has been developed in support of collaborative research efforts on arthritis in Orthopedics and Pathology. In collaboration with Drs. Stavros Demos (LLE) and Ed Messing and Scott Quarrier (Urology), Dr. Wood is participating in a clinical trial of an enhanced sensitivity fluorescence cystoscope for bladder cancer diagnosis and treatment. Dr. Wood collaborates with David Foster, Paula Doyle, Lioudmila Lipetskaia, Gunhilde Buchsbaum, Christopher Stodgell, and Richard Miller in the Department; Drs. Edward Messing, YiFen Lee and ShuYuan Ye in Urology; Drs. Edward Schwarz, Brendan Boyce, Lianping Xing, Homaira Rahimi, Chris Ritchlin and others in the Center for Musculoskeletal Research. The laboratory of Dr. Wood continues to provide research experience for graduate students, residents and fellows in these departments.

PROGRAMS, CENTERS AND SERVICES

NYS AIDS Institute's Clinical Education Initiative Resource Center of Excellence. The NYS AIDS Institute-funded Clinical Education Initiative (CEI) – accessible at www.ceitraining.org - provides the online knowledge management learning platform to thousands of practitioner-learners globally each year, and a model for peer-peer learning through its installation of the ECHO® (Extension for Community Healthcare Outcomes) initiative, specifically targeting HIV/AIDS-related content. CEI is designed to enhance the capacity of New York's diverse health care workforce to deliver clinical services to improve health outcomes related to HIV, sexually transmitted diseases (STDs) and hepatitis C (HCV). The aims of the CEI are fourfold: provide progressive HIV, HCV and STD education to clinicians; disseminate AIDS Institute clinical practice guidelines; expand the base of providers able to diagnose and care for HIV, HCV and STD patients; and foster partnerships between community-based providers and HIV, HCV and STD specialists.

The CDC-funded **Global and Territorial Health Research Network Coordinating Center** (www.globalresearchnetwork.net) based at the University of Rochester's Department of Obstetrics and Gynecology provides a cross-institutional collaboration model focused on technology and public health in Low and Middle Income Country settings, with an emphasis on mixed methods informatics research. The Global Network, in partnership with U Illinois and Yale, collaboratively conducts, shares, and translates innovative chronic disease prevention research in low-resource settings, particularly those relevant to the U.S. Affiliated Pacific Islands, Puerto Rico, and the U.S. Virgin Islands. The ultimate aim is to put such research into practice domestically and around the world.

MotherToBaby UR Medicine is a service of the Department of Obstetrics and Gynecology at the University of Rochester, School of Medicine and Dentistry, in Rochester, New York staffed by Teratologists, Pharmacologists/ Toxicologists, Pharmacists, Obstetricians and Pediatricians

who specialize in prenatal exposures and breastfeeding. Directed by Dr. Richard K. Miller, families and health care providers can call this service from 8:30am to 4:00pm Monday through Friday at 585.275.3638 to address concerns involving environmental, occupational and therapeutic exposures during pregnancy and breastfeeding. You may also email us at MotherToBaby@urmc.rochester.edu especially for Deaf / Hard of Hearing Families. Please visit our [website](#). Meet our Staff and members of our Advisory Board, review fact sheets, see Healthy Homes Healthy Families Booklets (English and Spanish) and Videos in English, Spanish, ASL with Subtitles in both English and Spanish, and also current information about exposures.

MotherToBaby UR Medicine is a member of the MotherToBaby national network, a service of the Organization of Teratology Information Specialists (OTIS) <http://www.mothersbaby.org/> and funded in part by US DHHS-HRSA.

ORA, Office of Research Administration – ORA serves to support the pre- and post-award sponsored research needs of the Ob/Gyn faculty to make it easier for busy clinicians and researchers to apply for research funding and maintain their current projects. In 2016-2017, members of ORA included: Rebecca Rowley, Director; Sajitha Veettilakath and Rayanna Chambers, Staff Accountants; Ken Edell, Data Base Manager; Sarah Caveglia, Heather Fiore, Lynda Kochman, Divya Kumar, Jessica Brunner, Keelin Abbott, Aurora Newman, Andrea French, Katie Helbig, and Hillary Rich, Study Coordinators; Val Pyon, Technician; Ian Perry, Allison Ciesla, Ana Vallejo Sefair, and Gloria Wink Graduate Students.

SUMMARY

In fiscal year 2016 - 2017, the Office for Research Administration (ORA) in Ob/Gyn managed over \$20 million in grant funding, assisted in the preparation and submission of 37 new grant applications as well as agreements with industry partners, and helped to implement a number of new and continuing studies led by our faculty.

The faculty members in the Research Division represent a broad range of backgrounds and research areas, ranging from environmental epidemiology to placental immunology to in vivo urogynecology. Dr. Timothy De Ver Dye, who joined the research faculty in January 2014, leads Research Division efforts as Associate Chair for Research. Under his leadership, the department's resident research program has flourished and new collaborations have been established with the Clinical and Translational Science Institute (CTSI), of which Dr. Dye is Director of the Biomedical Informatics Core and PI of its pre-doctoral training award (TL1).

Indeed, the research faculty continued to be productive, publishing numerous articles in leading journals including Human Reproduction, Placenta, the American Journal of Obstetrics and Gynecology, Obstetrics and Gynecology, BMC Bioinformatics, PLoS One, and Biology of Reproduction. They gave presentations at meetings on the local, national, and international levels and have continued to develop new collaborations with colleagues at the University of Rochester, as well as across the U.S. and internationally. The research division faculty have been awarded several large national-level grants for innovative projects on topics ranging from the innovative delivery of HIV-related screening and services and sharing to the effects of maternal anxiety on fetal development. A number of smaller pilot studies were funded in as well, which will allow the research division faculty to continue to strive for larger awards even in the face of heightened competition for national level funding.

ORA helped 21 PIs in the Department of Ob/Gyn to develop and submit 37 new grant proposals this year, including 11 NIH proposals and 26 applications to other funding agencies (departmental, federal, state, foundation, or industry). ORA continued its efforts to facilitate research for all departmental investigators (from residents to senior faculty) through the development of research infrastructure at our off-site outpatient clinics as well as further development of our in-house research support team. Our successful weekly research workshop series continued, and provided a forum for sharing results, discussing new ideas, and learning new research tools. We were also pleased to host speakers from a number of different URM departments as well as outside institutions, and these talks continue to provide a forum for developing new inter-disciplinary collaborations and stimulating new research directions. ORA continues to provide the faculty with regular updates on research efforts and opportunities through the meetings, e-mails, and the ORA website.

SERVICE PROGRAMS

University of Rochester

Department of Obstetrics and Gynecology

July 1, 2016 - June 30, 2017

NURSING SERVICE SUMMARY

The OB/GYN Nursing service continues to strive to deliver the highest quality care to our patients and families. We continue to validate the great care by our Press Ganey/HCAHPS scores that are received every month.

Each unit participates in the UPP (Unit Performance Projects) program; which is a hospital initiative to share best practices in the areas of patient and family centered care, safety and quality, and LEAN. UPP functions as an interprofessional approach to unit improvements, and we often collaborate on barriers to efficient care without even knowing that is what we are doing! Our team is always interested in LEAN approaches to care, and have many engaged members working hard in approaches to efficient, patient and family centered care. Some improvements include pulling up patients from the ED to 312 (decreases wait time and facilitates quicker care), improving our instrument processes, developing a brochure for ectopic pregnancies/methotrexate management, and improving communication efficiencies. We are excited to be working closely with newly designated medical directors on each of the units, and have many exciting projects (listed within a sharepoint site) that are just getting started!

We have seen many personnel changes this past year. We have welcomed back two wonderfully passionate OB/GYN nurses. Jenny Lindstrom has stepped in as nurse manager to 3-1200, and Shannon McCarthy-Leone has accepted the position of service educator. This past year we have said good-bye to NP grads, retirees, and transfers to the outpatient arena. We are currently welcoming amazing new staff and exploring opportunities to collaborate and share provisions of care with an engaged nursing service work group.

In the realm of quality and safety measures, we continue robust work through the guidance of Candace Galle and Bonnie Walden, as well as unit regulatory champions and safety nurses. We are preparing to introduce a new PPH cart to the service. We are participating in some grant work with MCIC to explore safety issues surrounding deliveries. There is a well-developed dashboard of indicators available on each unit and reviewed interdisciplinary on monthly basis for the purpose of a collaborative approach of achieving quality and safety metrics for our patients. In 2017, we achieved 100% compliance with introduced GNOSIS fetal monitoring learning modules in conjunction with MCIC. This fall, we will also be continuing interdisciplinary simulations with Chris Arnold, including new teams as well as ongoing work with other departments.

Our lactation department continues to grow. In addition to partnering with Peds/NICU, care now includes outpatient services under the directorship of Dr. Casey Rosen-Carole.

Our nursing service is extremely proud of the challenges, initiatives, and safe and quality care we have been delivering. We are also proud of our interdisciplinary relationships with the medical team, as we continue seeking out ways to share learning opportunities and formulate best practice plans of care. Nursing looks forward to our ongoing growth and achievements which are facilitated in the framework of a Magnet accredited hospital.

IN-PATIENT OB/GYN NURSING SERVICE

Assistant Associate Director for OB/GYN Nursing

Jennifer Carey, BSN, RNC

Nursing Educators

Shannon McCarthy-Leone, MS, RN

Christine Arnold, MS, RNC CHES

Nurse Managers

Jenny Lindstrom BSN, RN 3-1200

Barb Maier, BSN, RNC 3-1400

Lynn Frenett, MS, RNC Birth Center

Coordinator of OB/GYN Quality Improvement

Candace Galle, BS, RN

MCIC Safety Nurse for Obstetric Practice at Strong Memorial Hospital

Bonnie Walden, MS, RNC

SOCIAL WORK

The Strong Health Social Work program at Strong Memorial Hospital addresses the psychosocial aspects of health care delivery for patients receiving care through Women's Health Practice, GYN Specialties, and Special Care Clinic as well as all antenatal and postpartum patients admitted to Strong. Consultation is also offered to OB/GYN private offices that are affiliated with SMH. The patient population is culturally, and socio-economically diverse and covers an age range beginning in early adolescence. Many of the patients served by OB/GYN social workers live at or below poverty and reside in poor, and violent, urban neighborhoods. They present with multiple psychosocial risk factors adversely impacting pregnancy outcomes, and health status. Such risks include domestic violence, homelessness, victimization, substance abuse, untreated mental health and developmental disorders, inadequate nutrition, histories of physical and sexual abuse, residential placement, illiteracy and language barriers, isolation and depression, unwanted pregnancy, adolescent pregnancy and inadequate resources.

Social work interventions address many of the social determinants of health. The process includes risk screening of patients, assessment and formulation of service plans in conjunction with the multidisciplinary health care team, discharge planning, risk management, crisis intervention, case management, information and referral, short term counseling, and acquisition of essential concrete goods and services.

Social work assumes primary responsibility for the assessment and management of all patients presenting in any ambulatory or inpatient clinical area, suspected to be the victims of child abuse/neglect or domestic violence. Social workers work closely with the local department of social services, family courts, criminal justice system and victims services in order to secure necessary protective services for infants, teens and women and to enable safe discharges.

Social work also assumes primary responsibility for counseling patients contemplating relinquishing their newborn for adoption and for assuring appropriate hospital guidelines are followed.

STAFF

The OB/GYN Social Work program at SMH is staffed by 2.65 FTE masters' level social workers. Staff includes the following:

Sarah Gallivan LMSW	.9 FTE
Kim Hober LMSW	1 FTE
Michelle Siembor LMSW	.75FTE

GRANT SUPPORTED PROGRAMS

The Social Work Division has partnered with the Healthy Baby Network to implement case management for patients eligible for Centering, a group care evidence based model. The case manager is responsible for identifying and addressing the psychosocial needs of centering participants and to facilitate ongoing attendance at group prenatal care visits.

Sarah Gallivan LMSW along with Dr. Cindy Rand and Dr. Amy Harrington completed a Wilson Foundation grant to improve contraceptive use among postpartum women, reduce the number of unintended

pregnancies, reduce the number of short interval pregnancies (defined as less than 18 months between deliveries), and keep postpartum women and their newborns up to date on recommended preventive care. The project's outreach intervention is modeled after a successful outreach project that boosted immunizations and preventive care for children. Analysis of outcome data is still in the works.

The Social Work Division has taken the lead in the DSRIP Project, Increase Support Programs for Maternal Child Health utilizing expansion of the Baby Love program as the community health worker model to enhance both maternal and infant outcomes for Monroe County. Through this initiative Baby Love social work assessments and ongoing services are documented in the e – record allowing for greater integration with women's health services. The program successfully met DSRIP metrics for DY2.

COMMUNITY COLLABORATIVES

In collaboration with the Injury Free Coalition for Kids, perinatal social workers have implemented the Safe Ride Home project assuring all newborns leave the hospital in an approved and appropriately installed car seat. Grant funding was secured from the Friends of Strong and the Ronald McDonald House charities to purchase infant car seats for patients without sufficient resources for a car seat. Parents who are provided with a car seat first watch a DVD instructing them on the importance of car seats and appropriate installation of the car seats. This new program has enhanced safe and timely discharges of newborns

Safe Crib Coalition – Perinatal social workers continue to collaborate with the Safe Crib Coalition to secure safe sleeping environments for newborns. Unnecessary infant deaths resulting from unsafe sleep situations continued to be a community concern. Social Workers along with other OB/GYN staff reinforce safe sleep practice for newborns in discussions with new parents.

UR, OB/GYN social workers participate in a number of additional community collaboratives and advisory committees that promote coordinated, multi – systems, community approaches to caring for women of reproductive age.

OTHER ACTIVITIES

Kim Hober LMSW participated as a panel presenter at the American Congress of Obstetricians & Gynecologists (ACOG), District II, Summit on Opiate Addiction In Pregnancy, April 27, 2017.

Mardy Sandler LMSW served as faculty on the NYS Maternal Infant Collaborative Center of Excellence.